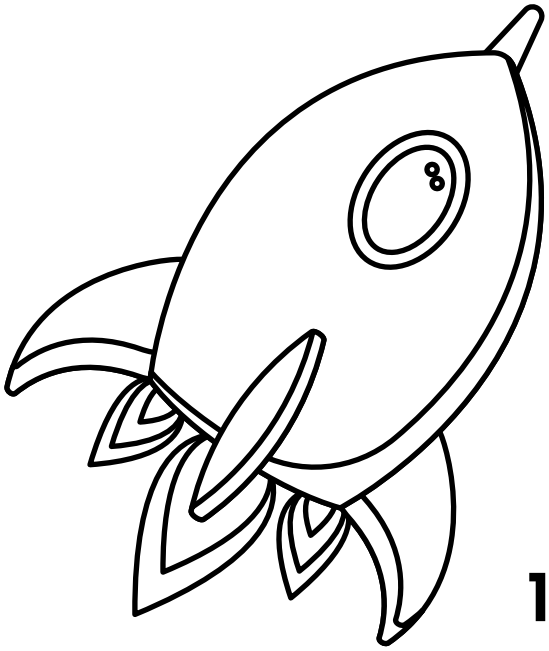


Blast Off to 2nd Grade Math

1st to 2nd Grade Transition Math Workbook

ANSWER KEY

Thank you for downloading! This is the answer key to accompany the workbook **Blast off to 2nd Grade Math**. We hope this will be a great resource for your child to reinforce 1st grade math and build the skills needed for success in 2nd grade.

If you have any further questions, please email us at hello@edventurelearning.com.

You can find us on social media @edventurelearning.

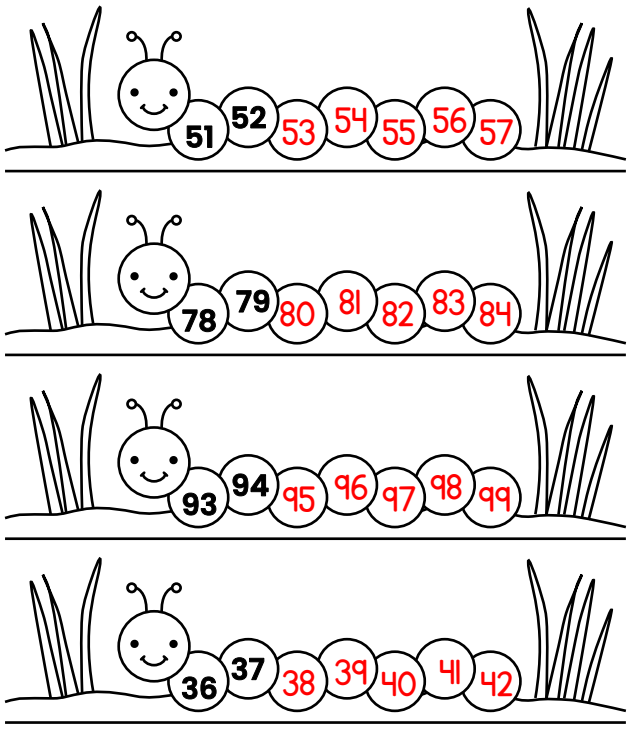
6 Counting

Fill in the missing numbers from 1 to 120.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	96	98	99	100
101	102	103	104	105	106	107	108	109	110
111	112	113	114	115	116	117	118	119	120

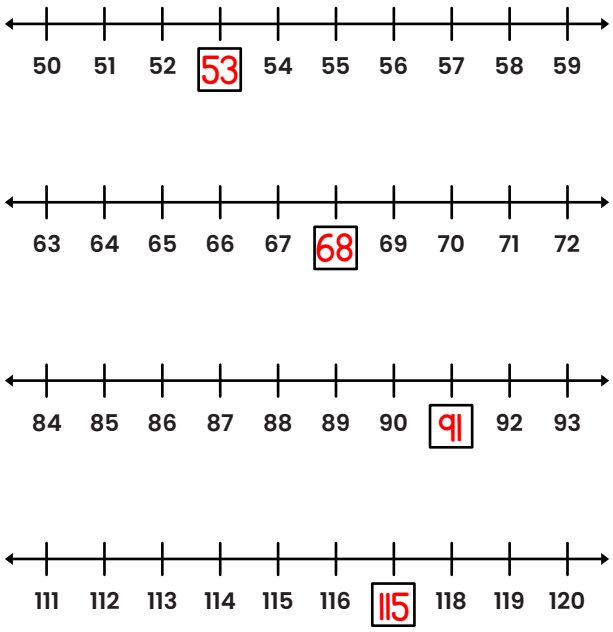
7 Counting

Count on and fill in the numbers that come next in each series.



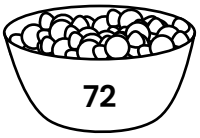
8 Counting

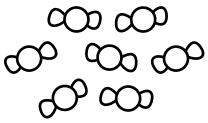
Fill in the missing number on each number line.



9 Counting

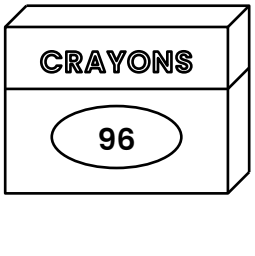
There are 72 pieces of candy inside the bowl and several more outside the bowl. Count forward from 72 to find the total number of pieces of candy. Write the answer on the line.





79

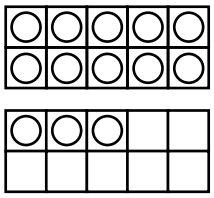
There are 96 crayons in the box and several more outside the box. Count forward from 96 to find the total number of crayons. Write the answer on the line.



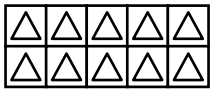
100

10 Counting

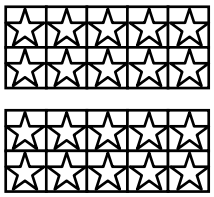
Count the shapes in each set of ten frames. Write the total number in the box.



23



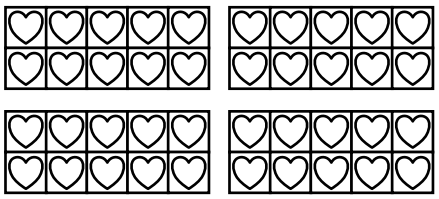
17



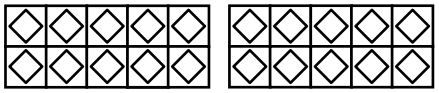
38

11 Counting

Count the shapes in each set of ten frames. Write the total number in the box.



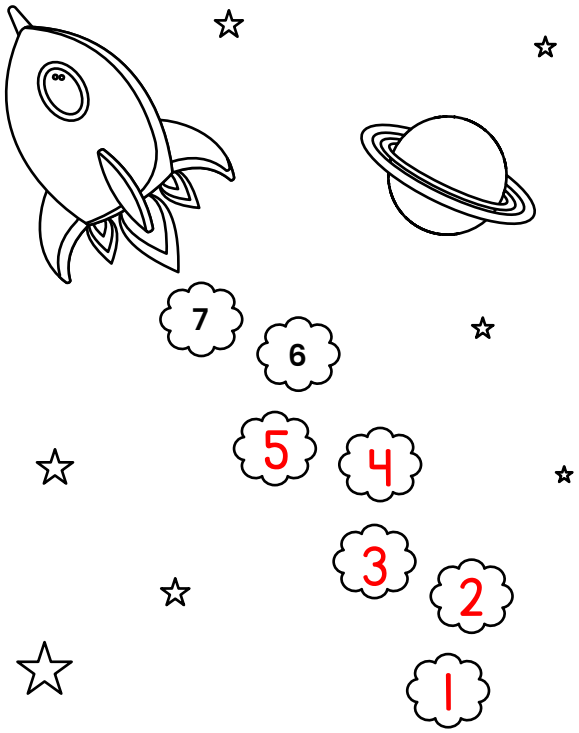
52



44

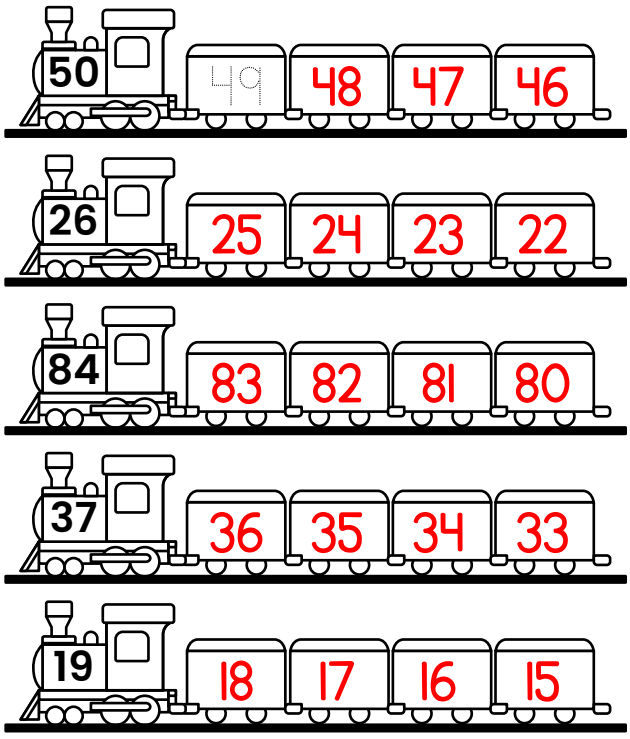
12 Counting

Count down from the number shown. Write the numbers in the clouds.



13 Counting

For each train, count backward from the number on the engine and write a number in each train car.



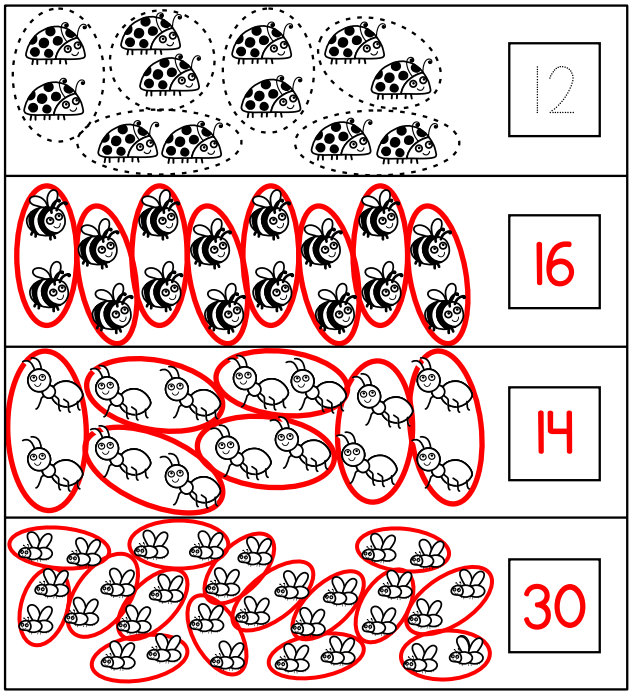
14 Skip Counting

On the hundreds chart below, start at 2 and count by twos, coloring each number in the pattern as you go.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Skip Counting 15

Circle groups of two. Then, write how many bugs in all.



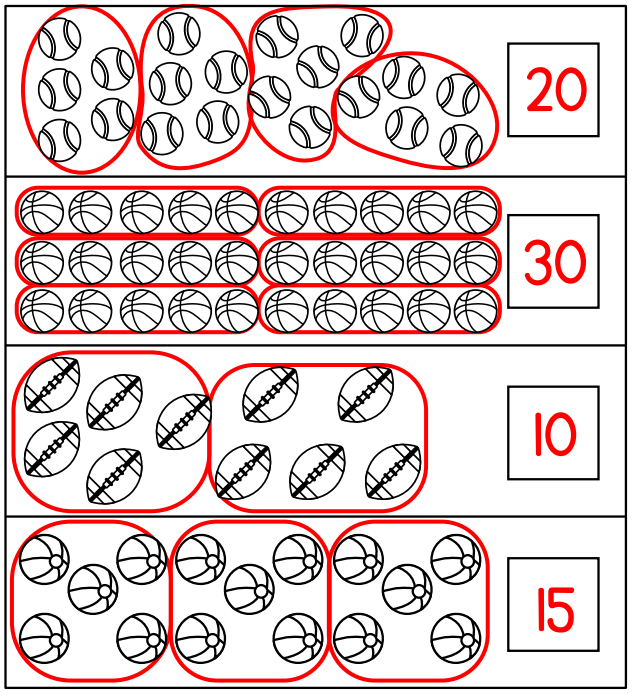
16 Skip Counting

On the hundreds chart below, start at 5 and count by fives, coloring each number in the pattern as you go. Then, start at 10 and count by tens, circling each number in the pattern as you go.

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

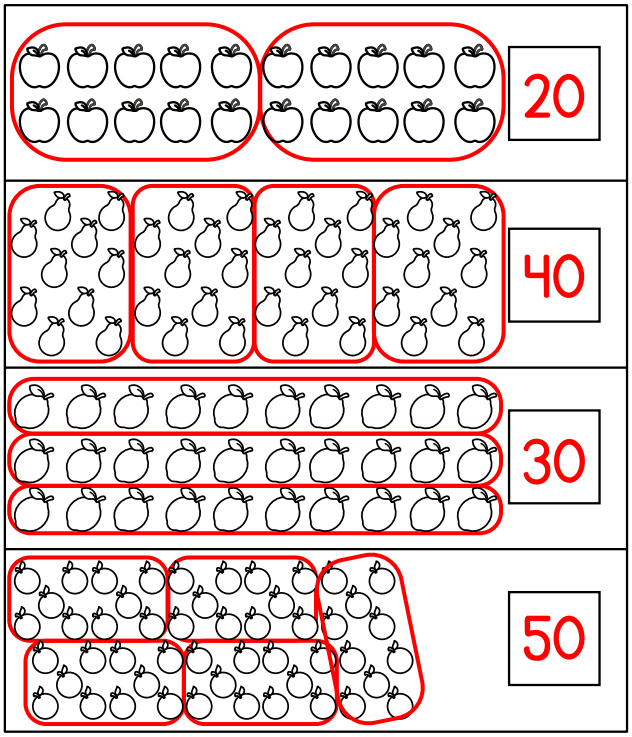
Skip Counting 17

Circle groups of five. Then, write how many balls in all.



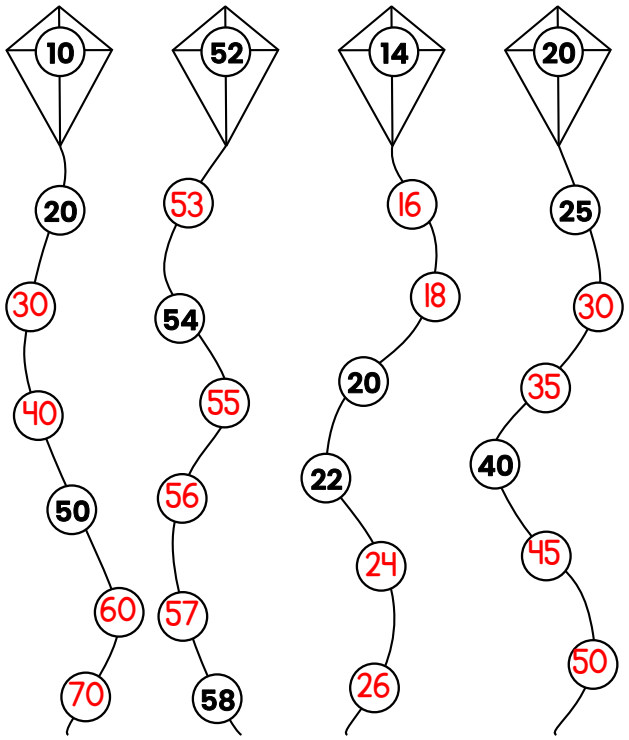
18 Skip Counting

Circle groups of 10. Then, write how many fruits in all.



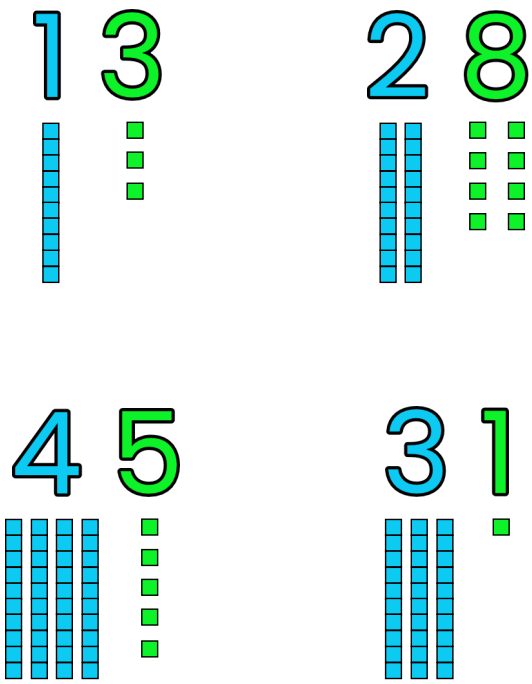
Skip Counting 19

The numbers along each kite tail follow a counting pattern. Fill in the missing numbers on each kite tail.



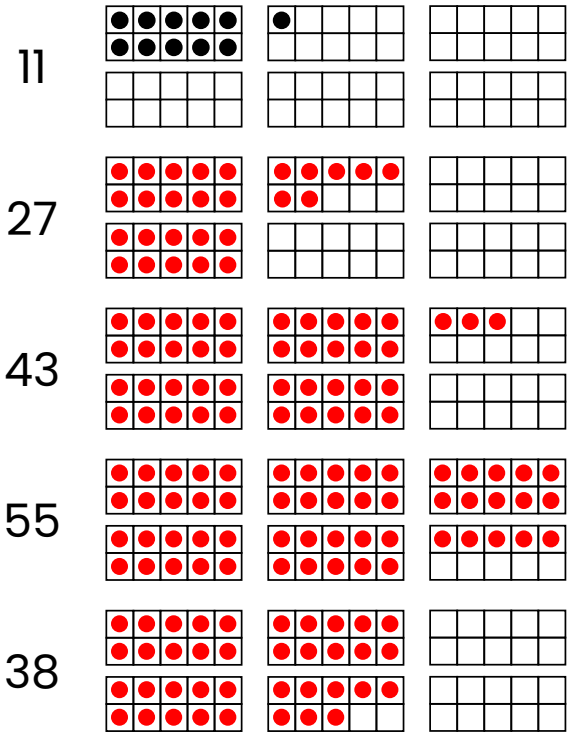
20 Place Value

In each number shown, color the digit in the tens place **BLUE** and the digit in the ones place **GREEN**. Then, color in the number cubes below each digit with the same colors.



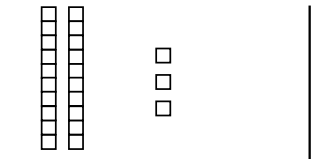
Place Value 21

Draw circles in the ten frames to show each number.

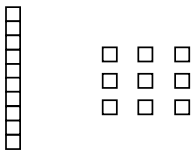


22 Place Value

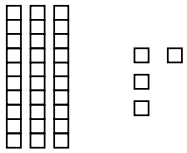
Use the number of tens and ones to find the total number.



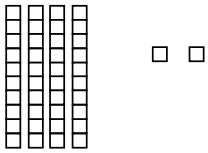
2 tens + 3 ones = 23



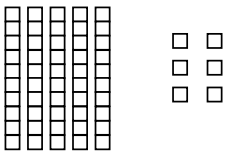
1 tens + 9 ones = 19



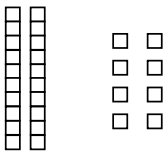
3 tens + 4 ones = 34



4 tens + 2 ones = 42



5 tens + 6 ones = 56



2 tens + 8 ones = 28

Place Value 23

Fill in the missing number in each equation to build a two-digit number using tens and ones.

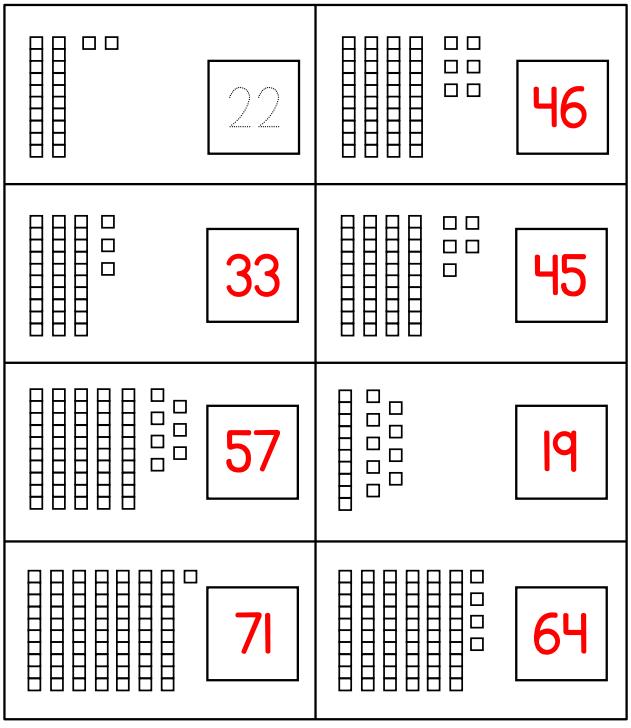
1. 3 tens + 2 ones = 32
2. 5 tens + 8 ones = 58
3. 4 tens + 5 ones = 45
4. 6 tens + 7 ones = 67
5. 8 tens + 1 one = 81
6. 7 tens + 3 ones = 73
7. 1 ten + 9 ones = 19
8. 2 tens + 4 ones = 24

Fill in the missing number in each equation to build a two-digit number.

1. 20 + 3 = 23
2. 90 + 5 = 95
3. 50 + 6 = 56
4. 10 + 8 = 18
5. 30 + 32 = 32
6. 70 + 1 = 71
7. 40 + 0 = 40
8. 60 + 4 = 64

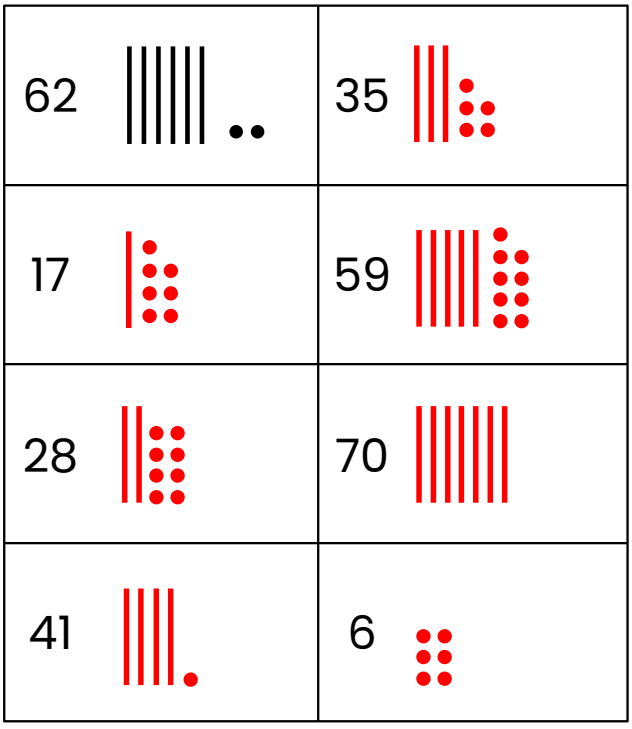
24 Place Value

Write the number represented by the tens and ones shown in each picture.



Place Value 25

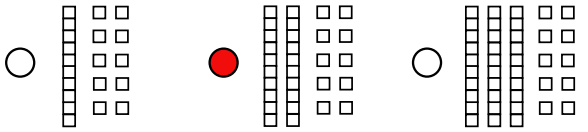
A **quick picture** uses a stick to represent each ten and a circle to represent each one. Make a quick picture to show each number.



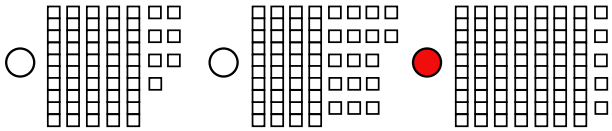
26 Place Value

Fill the in correct bubble to answer each question.

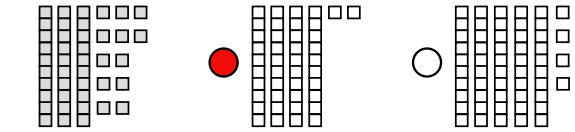
One way to show 30 is 30 ones. Which is a different way to show 30?



Which of these does NOT show 57?



Which picture shows the same number as the first picture?

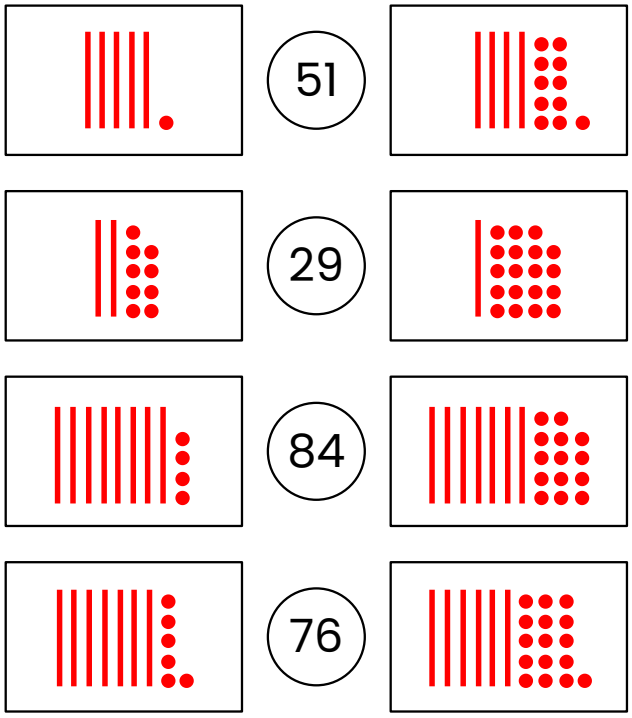


Which quick picture shows the same number as the first picture?

Place Value 27

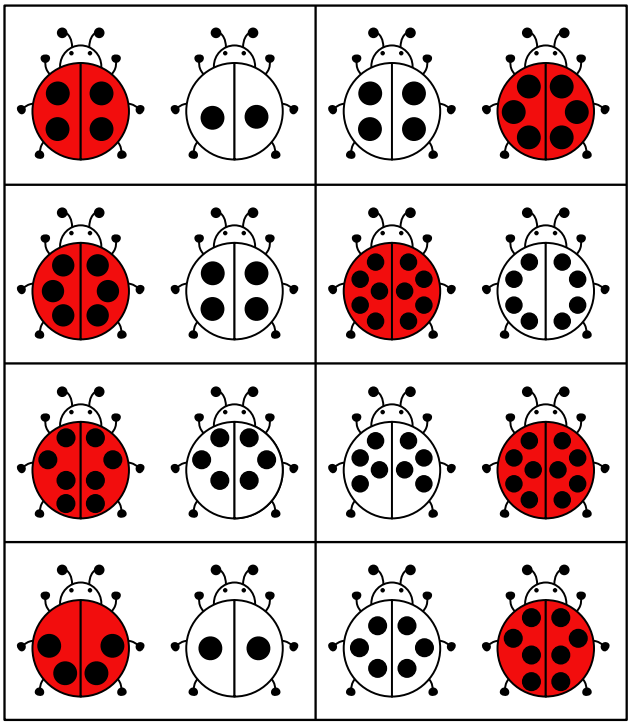
Use quick pictures to show each number in two different ways.

Answers may vary



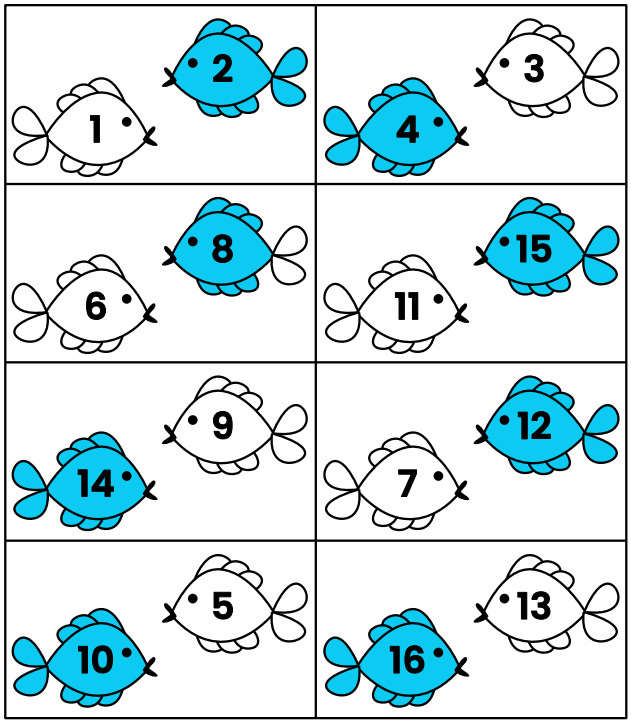
28 Comparing Numbers

Color the ladybug in each pair that has the **GREATER** number of spots.



Comparing Numbers 29

Color the fish in each pair that has the number that is **GREATER**.



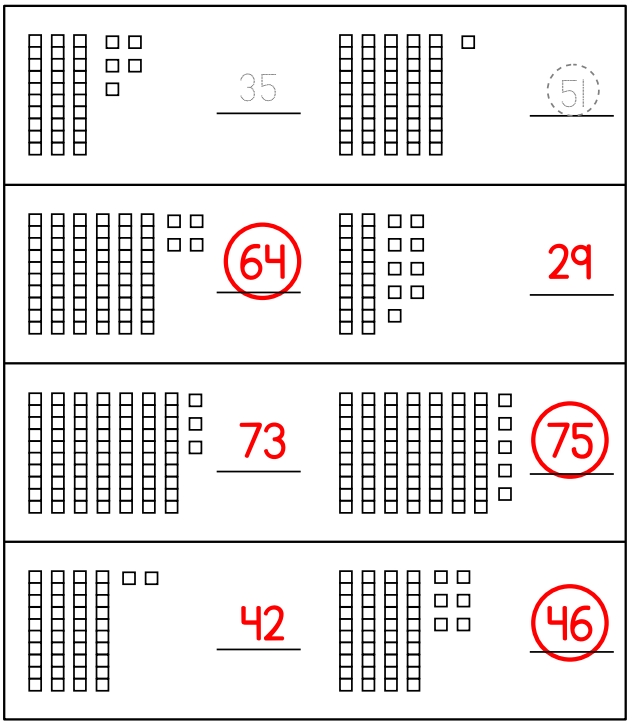
30 Comparing Numbers

Draw a quick picture to represent each number. Then color the number in each pair that is **GREATER**.

31	24	14	17
81	90	54	55
72	62	50	60
24	21	39	93

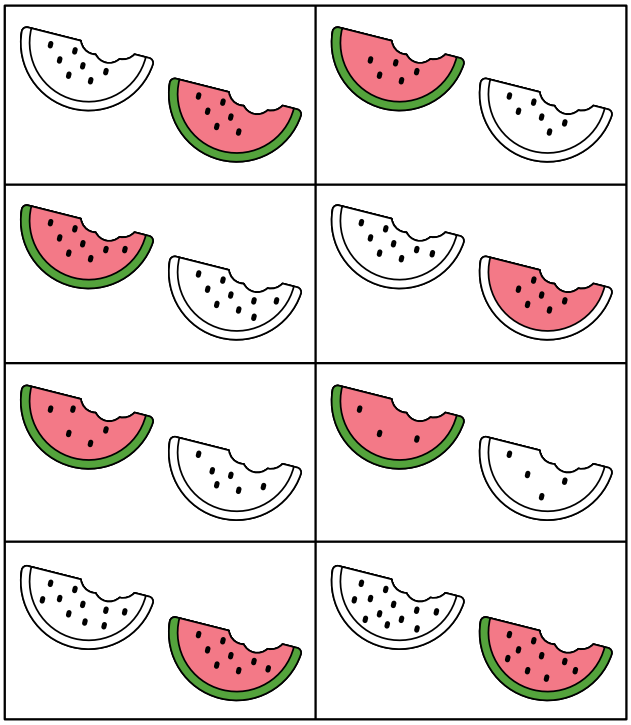
Comparing Numbers 31

Write the number represented by the tens and ones shown.Then, circle the number in each pair that is **GREATER**.



32 Comparing Numbers

Color the watermelon in each pair that has the **SMALLER** number of seeds.



Comparing Numbers 33

Color the balloon in each pair that shows the number that is **LESS** than the other.

6	5	8	12
1	3	2	4
9	7	14	13
11	10	16	20

34 Comparing Numbers

Draw a quick picture to represent each number. Then color the number in each pair that is **LESS**.

21	14	41	47
18	19	45	35
70	60	32	38
53	62	29	92

Comparing Numbers 35

Write the number represented by the tens and ones shown.Then, circle the number in each pair that is **LESS**.

64		40	
58		59	
61		73	
27		12	

36 Comparing Numbers

Count the objects in each group and write the number on the line.
Then, circle the correct phrase to complete the sentence.

10	is	(greater than) / less than / equal to	8	
9	is	greater than / (less than) / equal to	11	
7	is	greater than / less than / (equal to)	7	
16	is	greater than / less than / (equal to)	16	
2	is	greater than / (less than) / equal to	3	

Comparing Numbers 37

Compare each pair of numbers using one of these symbols:

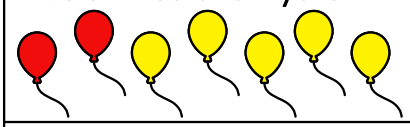
> greater than < less than = equal to

12 > 10	8 < 18	23 < 24
50 > 40	99 = 99	35 < 53
72 > 68	5 < 7	84 > 79
28 > 26	31 < 71	67 = 67
15 < 17	48 > 44	80 > 55

40 Addition Within 20

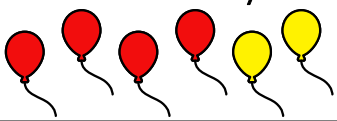
Color the balloons red and yellow as directed. Then write the total number of balloons in the box.

Color 2 red and 5 yellow.



2 + 5 = Total 7

Color 4 red and 2 yellow.



4 + 2 = Total 6

Color 3 red and 6 yellow.

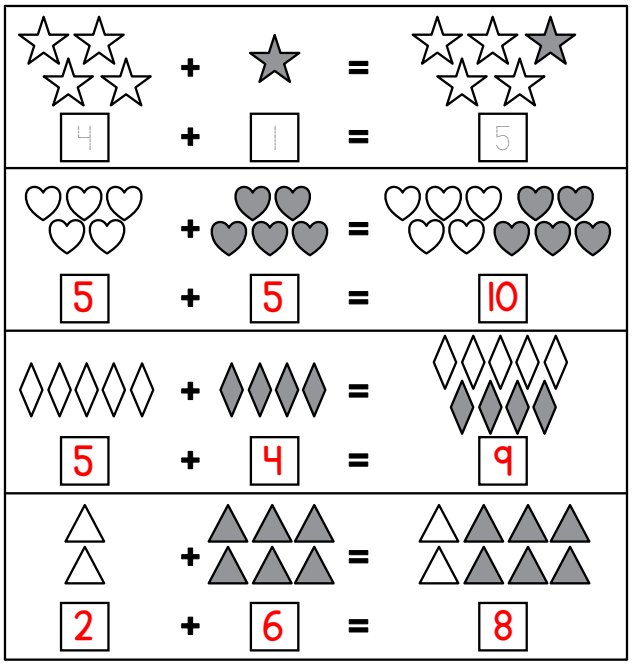
3 + 6 = Total 9

Color 4 red and 4 yellow.

4 + 4 = Total 8

41 Addition Within 20

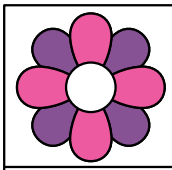
Count the number of shapes in each group and write the number in the box below. Then, add to find the total and complete the equation.



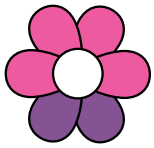
42 Addition Within 20

In each flower, color some of the petals with one color and the rest with another color. Fill in the equation with the correct numbers to show how you made the total number of petals.

Answers may vary

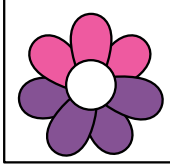


4 + 4 = 8



4 + 2 = 6

5 + 5 = 10

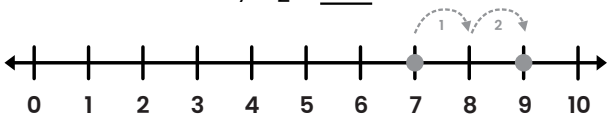


3 + 4 = 7

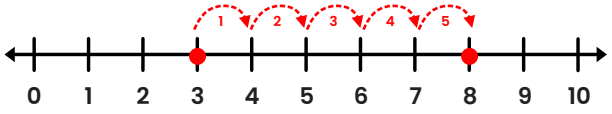
43 Addition Within 20

Use the number line to solve each addition equation.

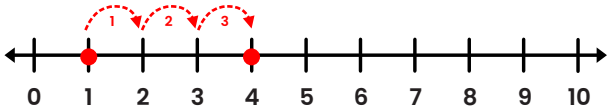
7 + 2 = 9



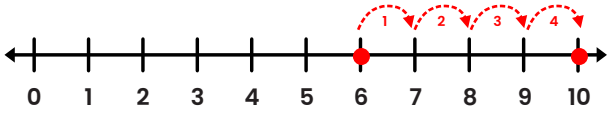
3 + 5 = 8



1 + 3 = 4

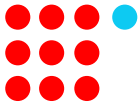


6 + 4 = 10



44 Addition Within 20

Draw a picture to help you solve each addition equation.

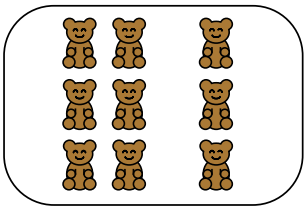
8 + 2 = 10 	2 + 3 = 5 
9 + 1 = 10 	7 + 2 = 9 
5 + 4 = 9 	4 + 3 = 7 

45 Addition Within 20

Read each word problem. Draw a picture in the box, then fill in the numbers to complete the equation.

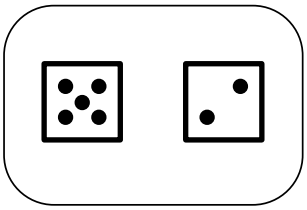
Ellie had 6 stuffed animals. Then, she got 3 more for her birthday. How many stuffed animals does Ellie have now?

6 + 3 = 9



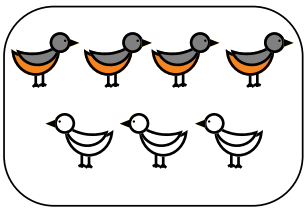
Grant is playing a game where he rolls a pair of dice. One of the dice shows a 5 and the other shows a 2. What is the total shown on both dice?

5 + 2 = 7



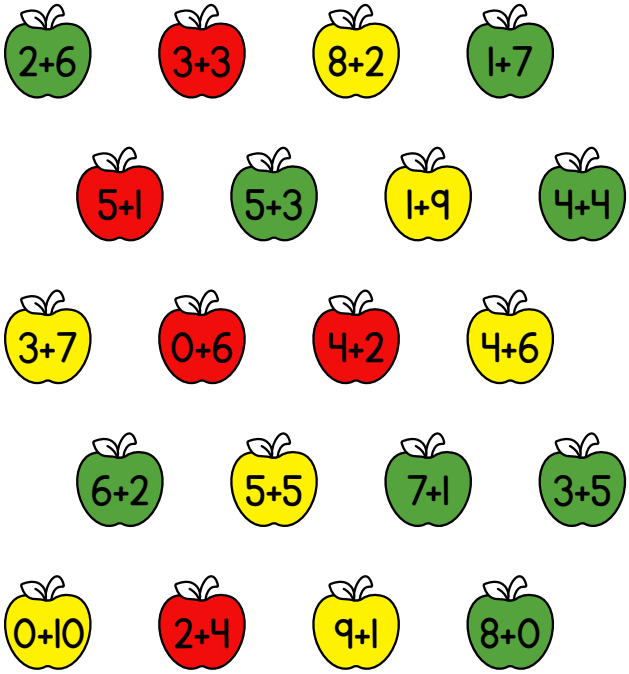
Halima sees 4 robins and 3 doves in her backyard. How many birds does she see in all?

4 + 3 = 7



46 Addition Within 20

Each apple contains an addition expression. Color the apples whose numbers add up to 6 **RED**. Color those that add up to 8 **GREEN**. Color those that add up to 10 **YELLOW**.



47 Addition Within 20

For each equation, circle the word **TRUE** if the equation is correct and **FALSE** if the equation is incorrect.

TRUE or FALSE? 4 + 3 = 6

TRUE or FALSE? 8 + 2 = 10

TRUE or FALSE? 6 + 2 = 8

TRUE or FALSE? 3 + 6 = 10

TRUE or FALSE? 7 + 2 = 9

TRUE or FALSE? 8 + 1 = 9

TRUE or FALSE? 5 + 3 = 7

TRUE or FALSE? 2 + 4 = 6

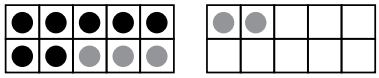
TRUE or FALSE? 1 + 4 = 5

TRUE or FALSE? 5 + 4 = 8

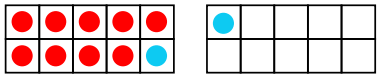
48 Addition Within 20

Use the ten frames to show each addition problem. Then, write the solution.

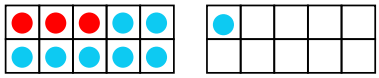
7 + 5 = 12



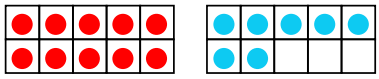
9 + 2 = 11



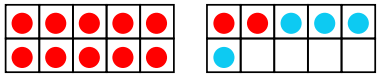
3 + 8 = 11



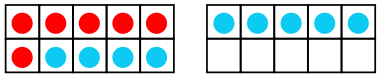
10 + 7 = 17



12 + 4 = 16



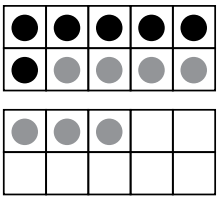
6 + 9 = 15



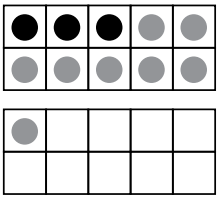
49 Addition Within 20

Choose the equation in each group that is best represented by the ten frames shown.

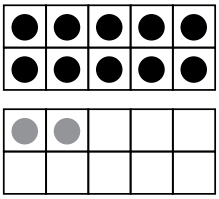
- ○ 6 + 3 = 13
- ● 6 + 7 = 13
- ○ 6 + 4 = 10



- ● 11 = 8 + 3
- ○ 3 + 7 = 11
- ○ 7 + 1 = 8



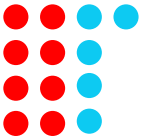
- ○ 12 = 6 + 6
- ○ 2 + 8 = 10
- ● 10 + 2 = 12



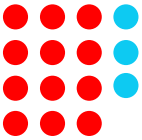
50 Addition Within 20

Draw a picture to help you solve each addition equation.

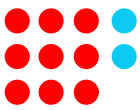
8 + 5 = 13



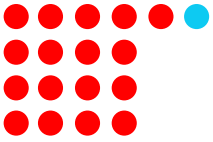
12 + 3 = 15



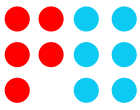
9 + 2 = 11



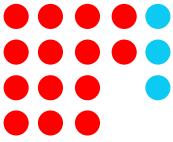
17 + 1 = 18



5 + 6 = 11



14 + 3 = 17

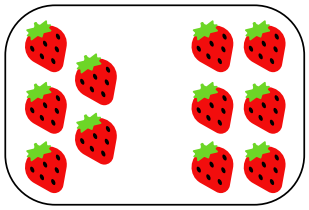


51 Addition Within 20

Read each word problem. Draw a picture in the box, then fill in the numbers to complete the equation.

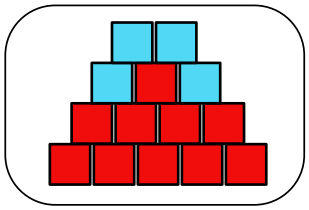
Priya ate 5 strawberries at breakfast and 6 strawberries at lunch. How many strawberries did she eat in all?

5 + 6 = 11



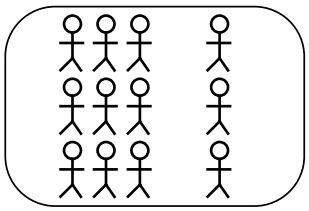
Jackson built a tower out of 10 blocks. Then, he added 4 more blocks to the tower. How many blocks were in the tower in all?

10 + 4 = 14



There were 9 kids in a karate class. Then, 3 more kids joined the class. How many kids are in the class now?

9 + 3 = 12

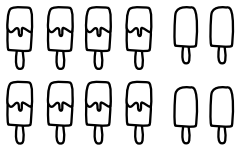


52 Addition Within 20

Write two different addition equations that could represent each picture.

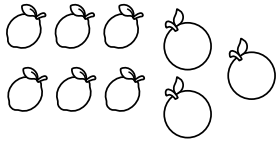
4 + 6 = 10

6 + 4 = 10



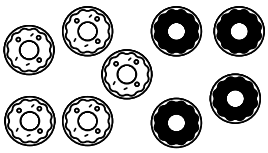
8 + 4 = 12

4 + 8 = 12



6 + 3 = 9

3 + 6 = 9

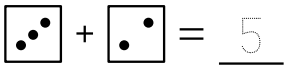
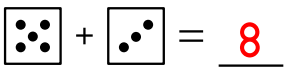
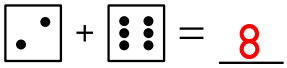
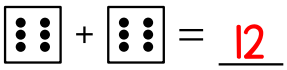
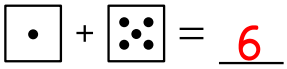
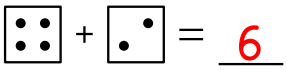
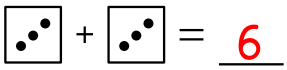
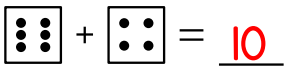
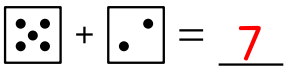


5 + 4 = 9

4 + 5 = 9

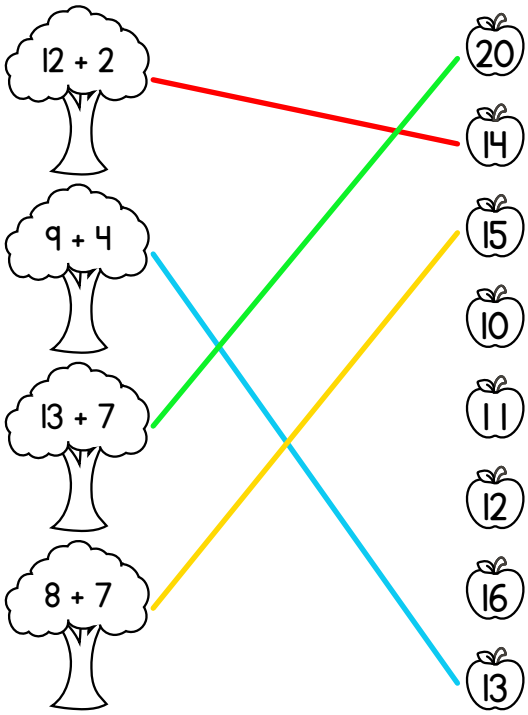
53 Addition Within 20

Add the numbers shown on each pair of dice to find the total.

 5	 8
 8	 12
 6	 6
 6	 9
 10	 7

54 Addition Within 20

Draw a line connecting each tree to the apple whose number equals the expression on the tree. Not all apples will be used.



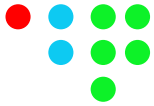
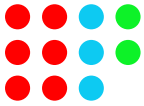
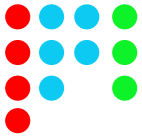
55 Addition Within 20

Find each sum.

15 + 3 = 18	10 + 2 = 12	12 + 3 = 15	5 + 4 = 9	9 + 5 = 14
2 + 7 = 9	16 + 4 = 20	13 + 3 = 16	12 + 4 = 16	4 + 8 = 12
11 + 4 = 15	5 + 7 = 12	9 + 9 = 18	16 + 3 = 19	6 + 5 = 11
7 + 6 = 13	8 + 2 = 10	11 + 7 = 18	3 + 9 = 12	8 + 5 = 14

56 Addition Within 20

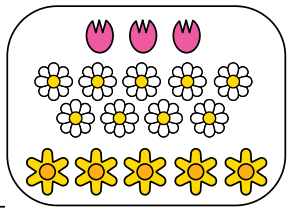
Draw a picture to help you solve each addition equation.

1 + 2 + 5 = 8 	6 + 3 + 2 = 11 
4 + 5 + 3 = 12 	7 + 2 + 1 = 10 
3 + 8 + 4 = 15 	9 + 2 + 2 = 13 

Addition Within 20 57

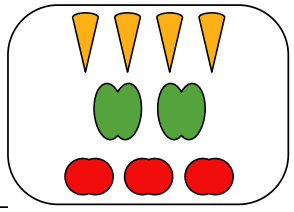
Read each word problem. Draw a picture in the box, then fill in the numbers to complete the equation.

There are 3 tulips, 9 daisies, and 5 daffodils in a flower bed. How many flowers are there all together?



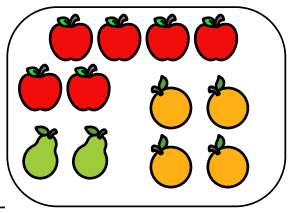
3 + 9 + 5 = 17

Alex picks 4 carrots, 2 peppers, and 3 tomatoes from his garden. How many vegetables does he pick?



4 + 2 + 3 = 9

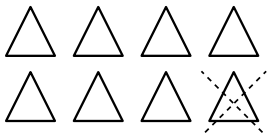
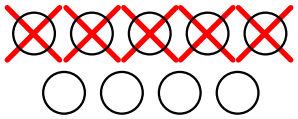
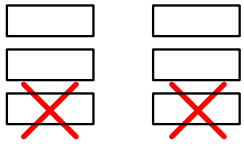
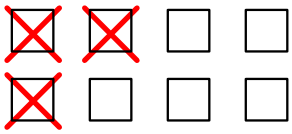
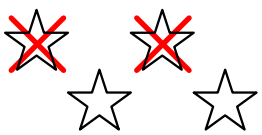
A bowl of fruit contains 6 apples, 2 pears, and 4 oranges. How many pieces of fruit are in the bowl?



6 + 2 + 4 = 12

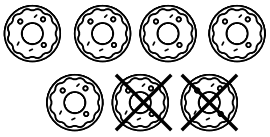
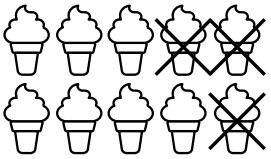
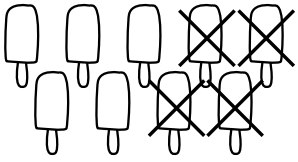
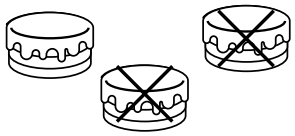
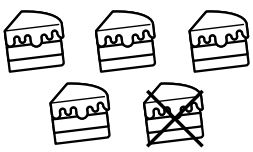
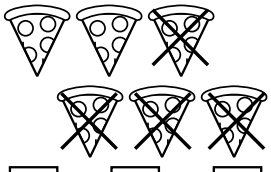
58 Subtraction Within 20

For each subtraction equation, cross out the correct number of shapes. Then finish the equation by writing how many shapes are left.

 8 - 1 = 7	 9 - 5 = 4
 10 - 7 = 3	 6 - 2 = 4
 8 - 3 = 5	 4 - 2 = 2

Subtraction Within 20 59

Complete each subtraction equation using the pictures shown.

 7 - 2 = 5	 10 - 3 = 7
 9 - 4 = 5	 3 - 2 = 1
 5 - 1 = 4	 6 - 4 = 2

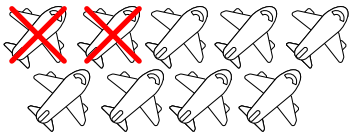
60 Subtraction Within 20

Cross out the number of vehicles needed to make the equation true and complete the equation.

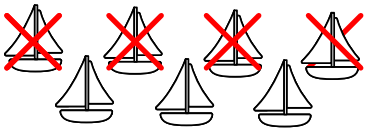
10 - 6 = 4

4 - 3 = 1

8 - 6 = 2



9 - 2 = 7

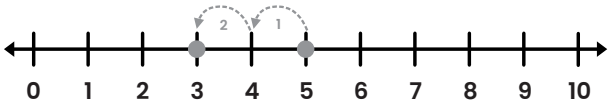


7 - 4 = 3

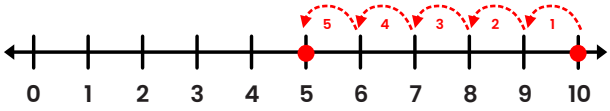
61 Subtraction Within 20

Use the number line to solve each subtraction equation.

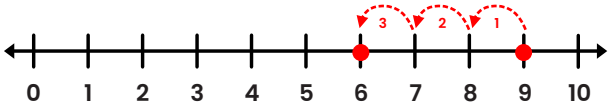
5 - 2 = 3



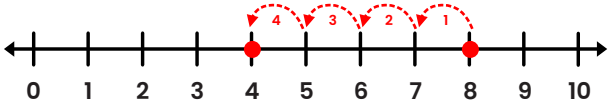
10 - 5 = 5



9 - 3 = 6



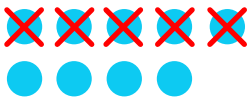
8 - 4 = 4



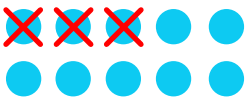
62 Subtraction Within 20

Draw a picture to help you solve each subtraction equation.

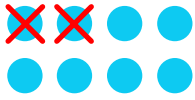
9 - 5 = 4



10 - 3 = 7



8 - 2 = 6



7 - 1 = 6

6 - 5 = 1

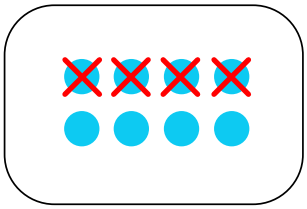
4 - 4 = 0

63 Subtraction Within 20

Read each word problem. Draw a picture in the box, then fill in the numbers to complete the equation.

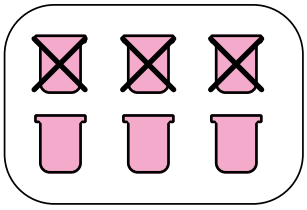
Andrew was holding 8 marbles until he dropped 4 of them. How many marbles were left in his hands?

8 - 4 = 4



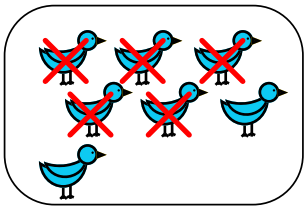
Avery, Bella, and Ivy each take one yogurt out of a pack of 6 yogurts. How many yogurts are left in the pack?

6 - 3 = 3



There were 7 birds sitting in a tree. 5 birds flew away. How many were left in the tree?

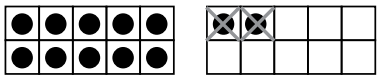
7 - 5 = 2



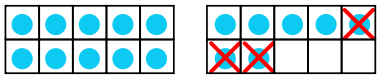
64 Subtraction Within 20

Use the ten frames to show each subtraction problem. Then, write the solution.

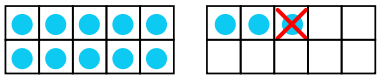
12 - 2 = 10



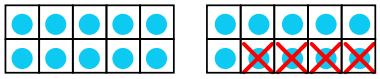
17 - 3 = 14



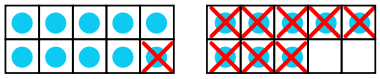
13 - 1 = 12



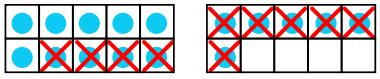
20 - 4 = 16



18 - 9 = 9



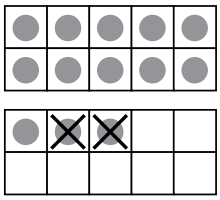
16 - 10 = 6



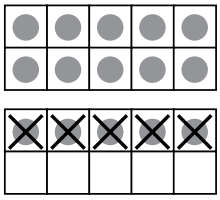
65 Subtraction Within 20

Choose the subtraction equation in each group that is best represented by the ten frames shown.

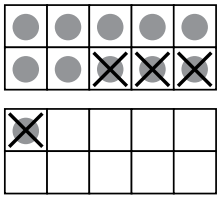
- ○ 13 - 3 = 10
- ○ 11 - 2 = 9
- ● 13 - 2 = 11



- ○ 5 = 10 - 5
- ● 15 = 10 - 5
- ○ 10 = 15 - 5

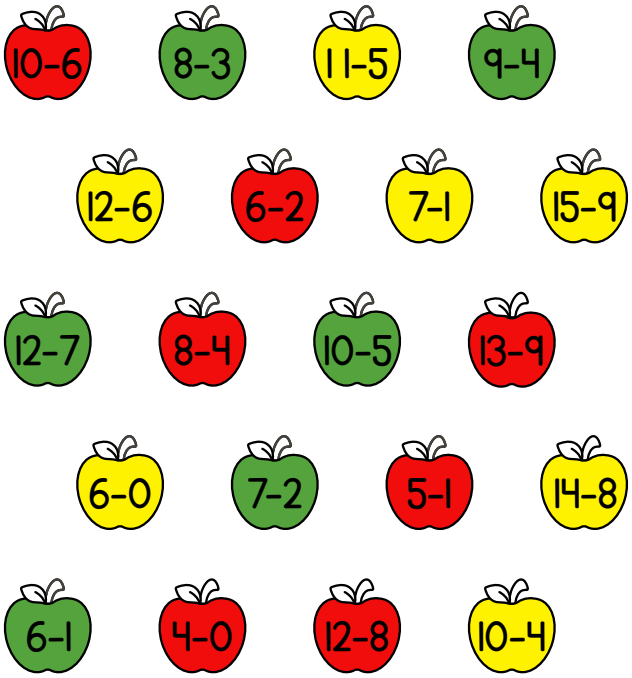


- ● 11 - 4 = 7
- ○ 7 - 4 = 3
- ○ 12 - 4 = 7



66 Subtraction Within 20

Each apple contains a subtraction expression. Color the apples whose expression equals 4 **RED**. Color those that equal 5 **GREEN**. Color those that equal 6 **YELLOW**.



67 Subtraction Within 20

For each equation, circle the word **TRUE** if the equation is correct and **FALSE** if the equation is incorrect.

TRUE or FALSE ?
7 - 3 = 5

TRUE or FALSE ?
18 - 2 = 16

TRUE or FALSE ?
16 - 3 = 12

TRUE or FALSE ?
10 - 6 = 4

TRUE or FALSE ?
11 - 2 = 9

TRUE or FALSE ?
15 - 1 = 14

TRUE or FALSE ?
15 - 3 = 13

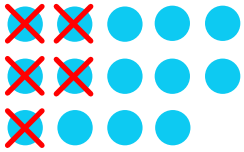
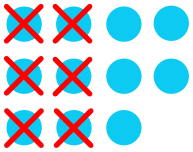
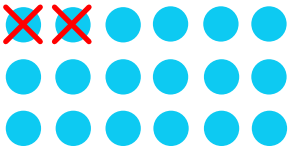
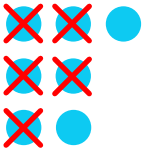
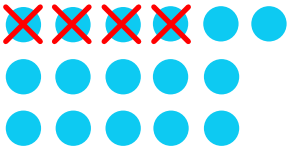
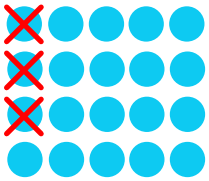
TRUE or FALSE ?
12 - 4 = 9

TRUE or FALSE ?
11 - 4 = 7

TRUE or FALSE ?
9 - 4 = 4

68 Subtraction Within 20

Draw a picture to help you solve each subtraction equation.

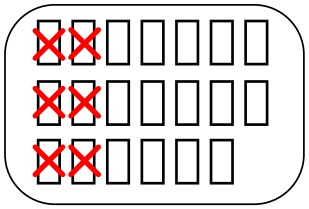
14 - 5 = 9 	11 - 6 = 5 
18 - 2 = 16 	7 - 5 = 2 
16 - 4 = 12 	20 - 3 = 17 

Subtraction Within 20 69

Read each word problem. Draw a picture in the box, then fill in the numbers to complete the equation.

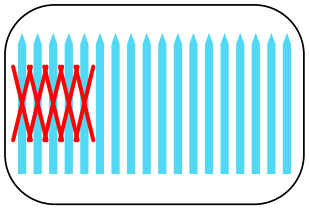
Riley is reading a book that has a total of 20 pages. She has read 6 pages so far. How many pages does she have left?

20 - 6 = 14



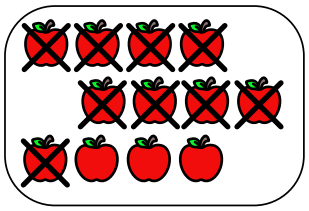
There are 18 colored pencils in a box. Daniel takes out 5 of them to use for his drawing. How many are left in the box?

18 - 5 = 13



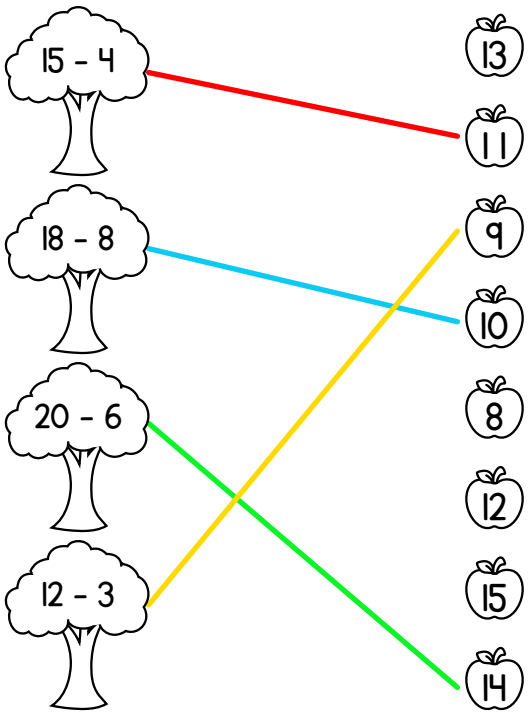
There are 12 apples in a bag. If 9 of them are eaten, how many will be left?

12 - 9 = 3



70 Subtraction Within 20

Draw a line connecting each tree to the apple whose number equals the expression on the tree. Not all apples will be used.



Subtraction Within 20 71

Find each difference.

15 - 3 = 12	18 - 1 = 17	8 - 3 = 5	16 - 5 = 11	14 - 2 = 12
9 - 7 = 2	17 - 4 = 13	15 - 1 = 14	13 - 2 = 11	12 - 2 = 10
7 - 1 = 6	6 - 4 = 2	19 - 7 = 12	10 - 3 = 7	4 - 4 = 0
15 - 3 = 12	7 - 2 = 5	9 - 5 = 4	11 - 0 = 11	18 - 4 = 14

72 Mixed Operations Within 20

Write the correct symbol (+, −, or =) to complete each equation.

1. 10 (+) 8 = 18
2. 9 − 5 (=) 4
3. 15 (=) 12 + 3
4. 20 = 8 (+) 12
5. 8 (−) 2 = 6
6. 17 − 6 (=) 11
7. 6 (=) 1 + 5
8. 16 = 18 (−) 2
9. 5 (+) 6 = 11
10. 11 = 7 (+) 4
11. 14 (−) 4 = 10
12. 13 + 2 (=) 15
13. 12 (−) 12 = 0
14. 19 − 1 (=) 18

73 Mixed Operations Within 20

Each subtraction equation below has a missing number. Rearrange the numbers into an addition equation to solve.

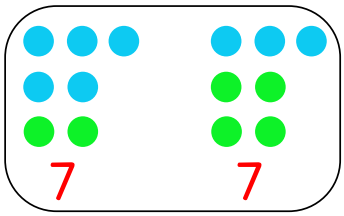
1. ? − 6 = 3
   6 + 3 = 9
   So, 9 − 6 = 3
2. 12 − ? = 8
   8 + 4 = 12
   So, 12 − 4 = 8
3. 15 − 4 = ?
   4 + 11 = 15
   So, 15 − 4 = 11
4. ? − 5 = 13
   5 + 13 = 18
   So, 18 − 5 = 13

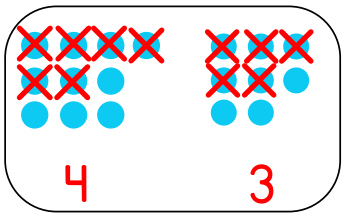
Each addition equation below has a missing number. Rearrange the numbers into a subtraction equation to solve.

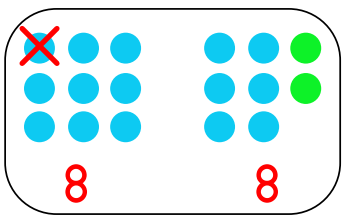
5. ? + 4 = 11
   11 − 4 = 7
   So, 7 + 4 = 11
6. 10 + ? = 18
   18 − 8 = 10
   So, 10 + 8 = 18
7. 6 + 5 = ?
   11 − 6 = 5
   So, 6 + 5 = 11
8. ? + 7 = 19
   19 − 7 = 12
   So, 12 + 7 = 19

74 Mixed Operations Within 20

Circle whether each equation is **TRUE** or **FALSE**. Draw to show how you know.

1. 2 + 5 = 3 + 4
   TRUE (circled) / **FALSE**
   

2. 10 − 6 = 8 − 5
   TRUE / **FALSE** (circled)
   

3. 9 − 1 = 2 + 6
   TRUE (circled) / **FALSE**
   

75 Mixed Operations Within 20

Circle whether each equation is **TRUE** or **FALSE.**

1. **TRUE** or **FALSE** (circled)? 9 + 3 = 5 + 6
2. **TRUE** (circled) or **FALSE**? 11 − 2 = 15 − 6
3. **TRUE** (circled) or **FALSE**? 8 − 2 = 1 + 5
4. **TRUE** (circled) or **FALSE**? 4 + 6 = 1 + 9
5. **TRUE** or **FALSE** (circled)? 15 − 3 = 18 − 5
6. **TRUE** (circled) or **FALSE**? 7 + 7 = 18 − 4

Fill in any numbers that would make each equation true.

7. 8 + 3 = 12 − 1
8. 11 − 4 = 3 + 4
9. 2 + 7 = 15 − 6
10. 17 − 5 = 6 + 6
11. 6 + 9 = 18 − 3
12. 18 − 8 = 4 + 6

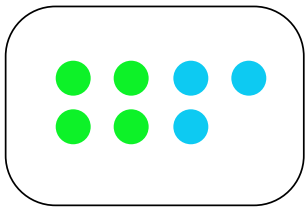
Answers may vary

76 Mixed Operations Within 20

Read each word problem. Draw a picture in the box, then fill in the numbers to complete the equation.

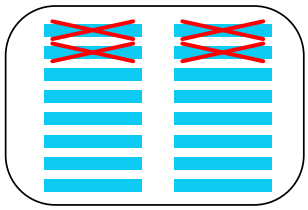
Janelle has 4 stickers. Kyle has 3 more stickers than Janelle does. How many stickers does Kyle have?

4 + 3 = 7



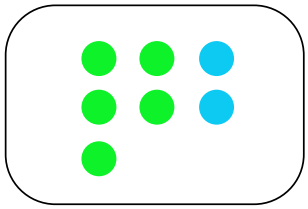
Courtney has 16 markers. Tyler has 4 fewer markers than Courtney. How many markers does Tyler have?

16 − 4 = 12



Camden is 5 years old. His sister Alexis is 2 years older than Camden. How

5 + 2 = 7



77 Mixed Operations Within 20

Find each sum or difference.

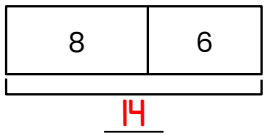
14 − 13 = 1	11 + 3 = 14	15 − 3 = 12	10 + 2 = 12	8 − 2 = 6
19 − 1 = 18	12 + 0 = 12	9 − 6 = 3	13 + 2 = 15	7 − 7 = 0
18 − 4 = 14	12 + 1 = 13	5 − 2 = 3	12 + 4 = 16	13 − 2 = 11
18 − 3 = 15	5 + 4 = 9	8 − 4 = 4	14 + 2 = 16	16 − 5 = 11

78 Solving with Bar Models

Use the bar model to answer each question.

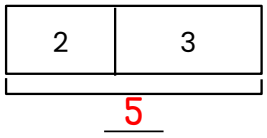
1. There are 8 cars and 6 trucks in a parking lot. How many vehicles are in the parking lot?

   There are 14 vehicles in the parking lot.



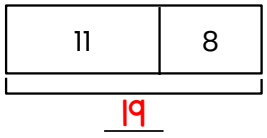
2. Lisa's family has 2 dogs and 3 cats. How many pets do they have?

   They have 5 pets.



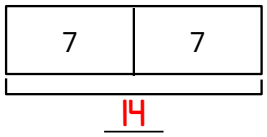
3. There are 11 boys and 8 girls in a class. How many students are in the class?

   There are 19 students in the class.



4. Luisa and Julia each picked 7 flowers. How many flowers did they pick all together?

   They picked 14 flowers.

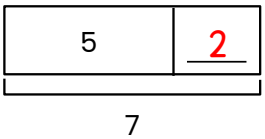


79 Solving with Bar Models

Use the bar model to answer each question.

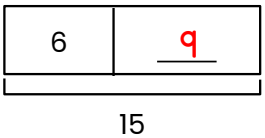
1. There are 7 dogs at a dog park. 5 are brown and the rest are black. How many are black?

   2 of the dogs are black.



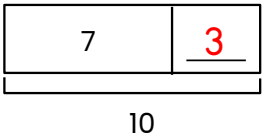
2. There are 15 peppers in a garden. 6 are green and the rest are red. How many are red?

   There are 9 red peppers.



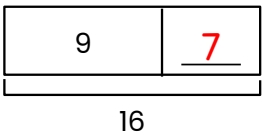
3. There are 10 windows in Lucy's house. So far, she has cleaned 7 of them. How many are left?

   There are 3 windows left to clean.



4. A baseball team played 16 games. They won 9 games. How many games did they lose?

   They lost 7 games.

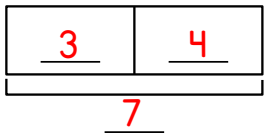


80 Solving with Bar Models

Use the bar model to answer each question.

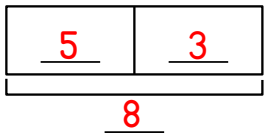
1. There are 3 oak trees and 4 pine trees in Sam's yard. How many trees are in his yard?

   There are 7 trees in Sam's yard.



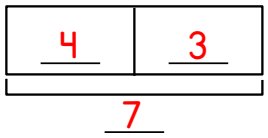
2. A bird lays 8 eggs in a nest. 5 have hatched so far. How many have not yet hatched?

   There are 3 that have not yet hatched.



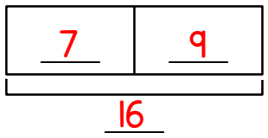
3. Gia has lost 4 teeth. Sofia has lost 3 more teeth than Gia. How many has Sofia lost?

   Sofia has lost 7 teeth.



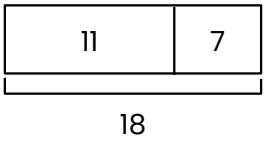
4. Kevin has 7 pens and 9 pencils in a cup. How many pens and pencils are in the cup?

   There are 16 pens and pencils in the cup.



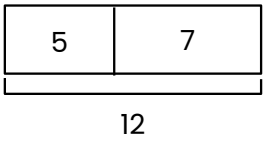
81 Solving with Bar Models

Write two equations that could describe each bar model.

1. 

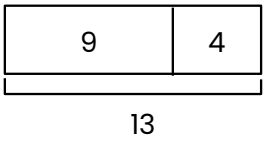
   11 + 7 = 18 (or 7 + 11 = 18)

   18 − 11 = 7 (or 18 − 7 = 11)

2. 

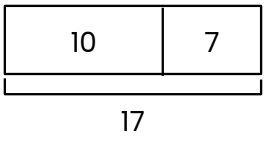
   5 + 7 = 12 (or 7 + 5 = 12)

   12 − 5 = 7 (or 12 − 7 = 5)

3. 

   9 + 4 = 13 (or 4 + 9 = 13)

   13 − 9 = 4 (or 13 − 4 = 9)

4. 

   10 + 7 = 17 (or 7 + 10 = 17)

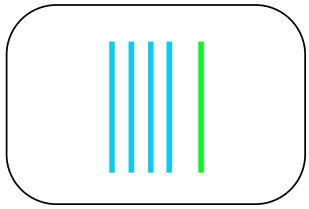
   17 − 10 = 7 (or 17 − 7 = 10)

82 Two-Digit Operations

Draw tens to show each problem. Complete the equation and solve.

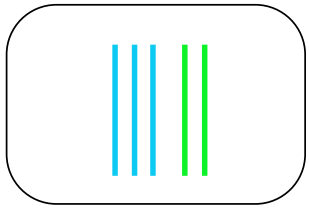
Ryan has 40 shells in his collection. He finds 10 more shells on the beach and adds them to his collection. How many shells does he have now?

40 + 10 = 50



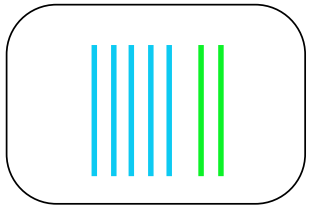
Penny read the first 30 pages of a book yesterday. She read 20 more pages today. How many pages has she read in all?

30 + 20 = 50



Mark has a box of 50 crayons and a box of 20 crayons. How many crayons does he have in all?

50 + 20 = 70

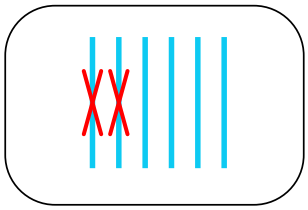


83 Two-Digit Operations

Draw tens to show each problem. Complete the equation and solve.

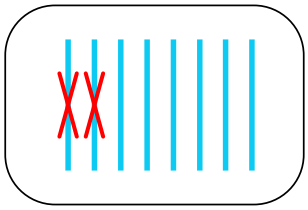
There are 60 crackers in a box. After 20 of them are eaten, how many crackers are left?

60 − 20 = 40



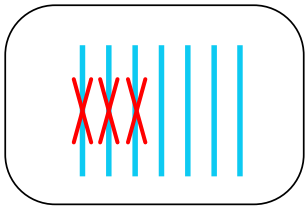
There are 80 apples on a tree. Mary picks 20 of them. How many apples are left on the tree?

80 − 20 = 60



A pet store has 70 fish for sale. After they sell 30 of them, how many fish are left?

70 − 30 = 40



84 Two-Digit Operations

Use the hundreds chart below to help solve each equation.

① 28 + 7 = 35

② 99 - 6 = 93

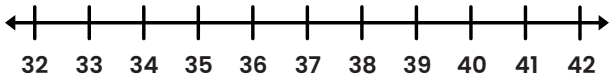
③ 84 + 10 = 94

④ 47 - 5 = 42

⑤ 52 + 9 = 61

1	2	3	4	5	6	7	8	9	10
11	12	13	14	15	16	17	18	19	20
21	22	23	24	25	26	27	28	29	30
31	32	33	34	35	36	37	38	39	40
41	42	43	44	45	46	47	48	49	50
51	52	53	54	55	56	57	58	59	60
61	62	63	64	65	66	67	68	69	70
71	72	73	74	75	76	77	78	79	80
81	82	83	84	85	86	87	88	89	90
91	92	93	94	95	96	97	98	99	100

Use the number line below to help solve each equation.



⑥ 32 + 7 = 39

⑦ 38 - 4 = 34

⑧ 39 - 5 = 34

⑨ 33 + 8 = 41

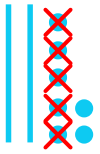
⑩ 41 - 6 = 35

⑪ 42 - 10 = 32

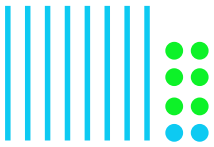
Two-Digit Operations 85

Draw tens and ones to solve each equation.

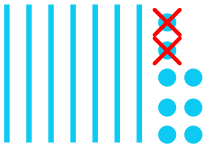
27 - 5 = 22



82 + 6 = 88

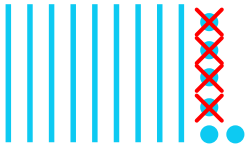


78 - 2 = 76



42 + 5 = 47

96 - 4 = 92



35 + 3 = 38

86 Two-Digit Operations

Re-write each equation vertically as tens and ones to add.

EX 14 + 23 = ?

Tens	Ones
1	4
+ 2	+ 3
3	7

3 tens + 7 ones

30 + 7 = 37

① 52 + 34 = ?

Tens	Ones
5	2
+ 3	+ 4
8	6

8 tens + 6 ones

80 + 6 = 86

② 71 + 18 = ?

Tens	Ones
7	1
+ 1	+ 8
8	9

8 tens + 9 ones

80 + 9 = 89

③ 65 + 12 = ?

Tens	Ones
6	5
+ 1	+ 2
7	7

7 tens + 7 ones

70 + 7 = 77

Two-Digit Operations 87

Re-write each equation vertically as tens and ones to subtract.

EX 97 - 56 = ?

Tens	Ones
9	7
- 5	- 6
4	1

4 tens + 1 ones

40 + 1 = 41

① 85 - 31 = ?

Tens	Ones
8	5
- 3	- 1
5	4

5 tens + 4 ones

50 + 4 = 54

② 29 - 14 = ?

Tens	Ones
2	9
- 1	- 4
1	5

1 tens + 5 ones

10 + 5 = 15

③ 78 - 45 = ?

Tens	Ones
7	8
- 4	- 5
3	3

3 tens + 3 ones

30 + 3 = 33

88 Two-Digit Operations

Find each sum.

25 + 33 = 58	10 + 29 = 39	82 + 13 = 95	55 + 44 = 99	29 + 50 = 79
72 + 17 = 89	16 + 43 = 59	23 + 35 = 58	52 + 46 = 98	40 + 19 = 59
31 + 48 = 79	54 + 23 = 77	49 + 10 = 59	15 + 32 = 47	66 + 22 = 88
20 + 70 = 90	85 + 12 = 97	61 + 17 = 78	34 + 33 = 67	24 + 52 = 76

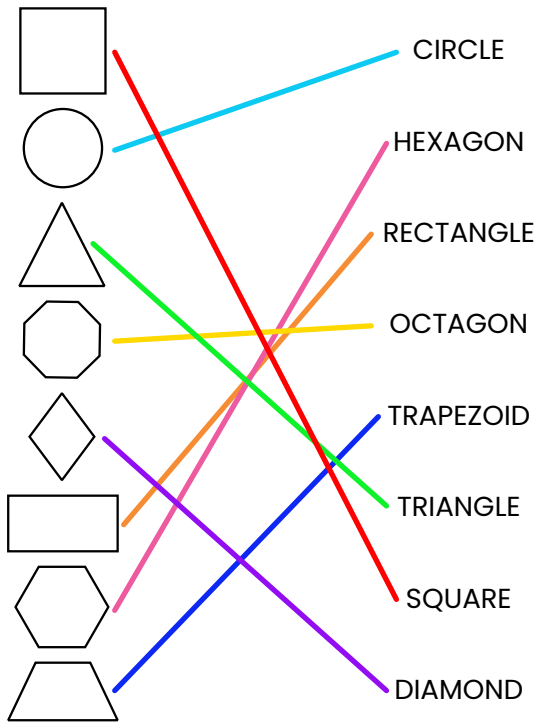
Two-Digit Operations 89

Find each difference.

75 − 23 = 52	29 − 16 = 13	98 − 63 = 35	60 − 50 = 10	84 − 72 = 12
59 − 47 = 12	72 − 51 = 21	48 − 17 = 31	39 − 26 = 13	92 − 72 = 20
78 − 15 = 63	64 − 43 = 21	89 − 74 = 15	53 − 30 = 23	46 − 44 = 2
95 − 34 = 61	37 − 22 = 15	19 − 13 = 6	86 − 50 = 36	68 − 24 = 44

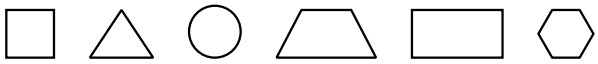
92 Identifying Shapes

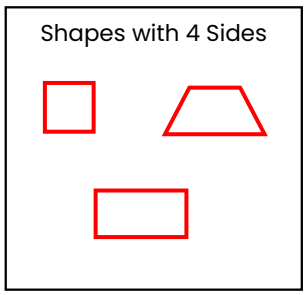
Draw a line to match each 2-D shape to its name.

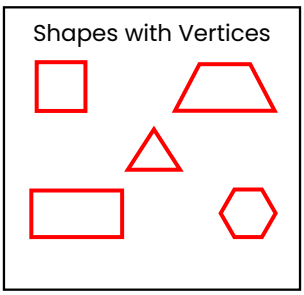


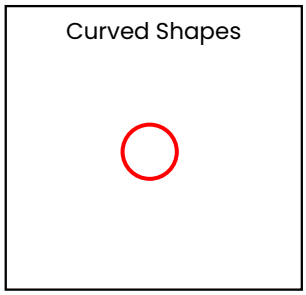
Identifying Shapes 93

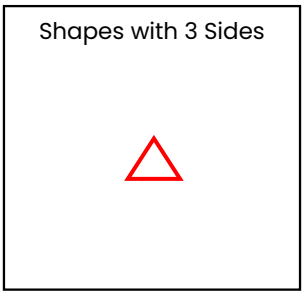
Sort the 2-D shapes below into categories by drawing them in the correct boxes. Some shapes may be used more than once.





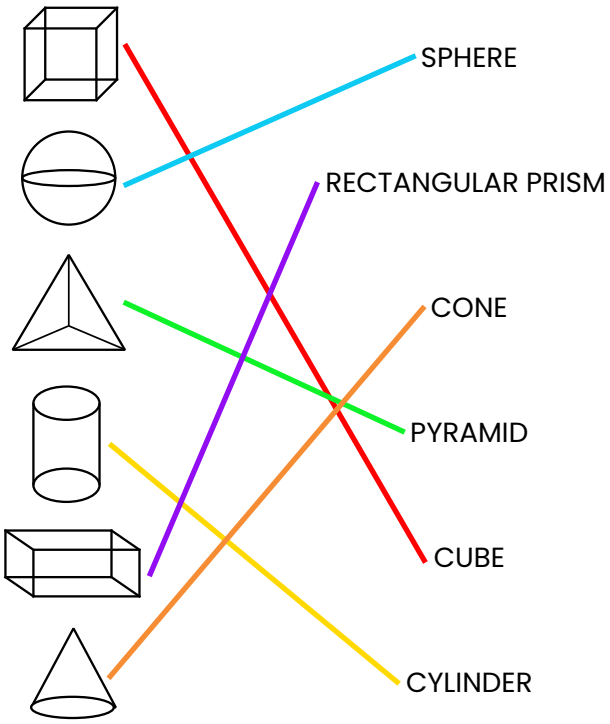






94 Identifying Shapes

Draw a line to match each 3-D shape to its name.



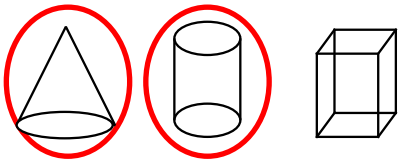
Identifying Shapes 95

Fill in the blanks with the correct numbers to complete each sentence.

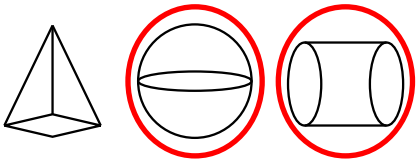
1. A cube has 6 flat surfaces and 0 curved surfaces.
2. A cylinder has 2 flat surfaces and 1 curved surface.
3. A cone has 1 flat surface and _____ curved surface.

Circle the 3-D shapes in each group that match the description given.

Circle the solid figures that have a **circular base**.



Circle the solid figures that have a **curved surface**.

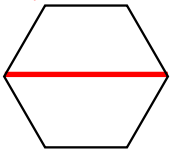


96 Combining Shapes

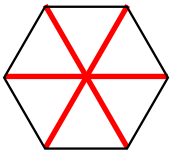
Add lines to divide the shapes below into smaller shapes.

Answers may vary

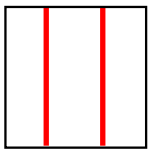
1. Show how the hexagon can be made from 2 trapezoids.



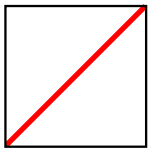
2. Show how the hexagon can be made from 6 triangles.



3. Show how the square can be made from 3 rectangles.



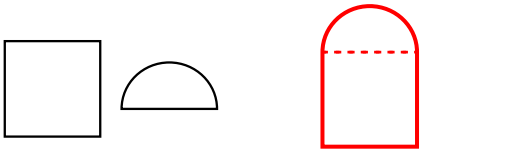
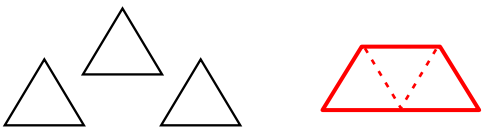
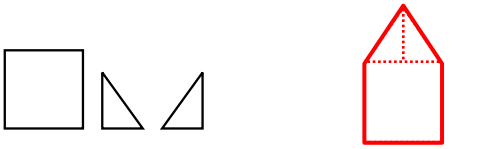
4. Show how the square can be made from 2 triangles.



Combining Shapes 97

Combine the shapes shown to create a new shape.

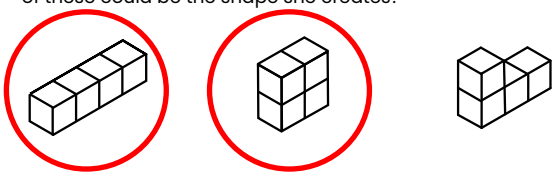
Answers may vary

1. 
2. 
3. 
4. 

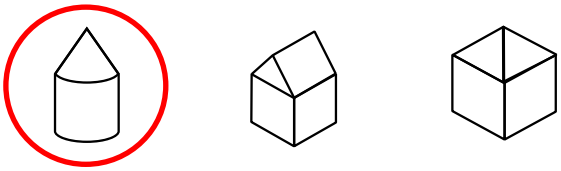
98 Combining Shapes

Circle the shapes that correctly answer each question.

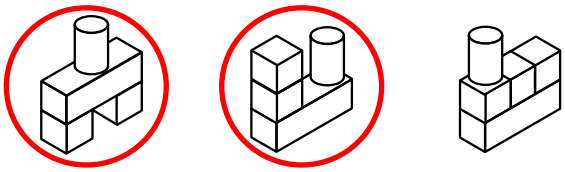
1. Anna combines 4 cubes to make a rectangular prism. Which of these could be the shape she creates?



2. Dominic combines a cylinder and a cone to make a new shape. Which of these could be the shape he creates?



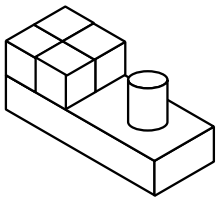
3. Emilio combines 1 rectangular prism, 2 cubes, and 1 cylinder to create a new shape. Which of these could be the shape he creates?



Combining Shapes 99

Write the number of each type of shape used to make each combined shape shown.

1.



How many?

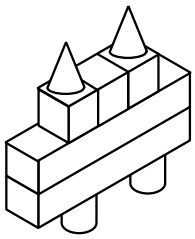
1 rectangular prisms

4 cubes

0 cones

1 cylinders

2.



How many?

2 rectangular prisms

3 cubes

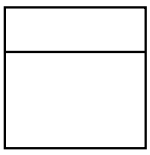
2 cones

2 cylinders

100 Partitioning Shapes

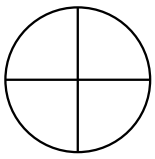
Circle whether each shape is divided into equal or unequal shares.

1.



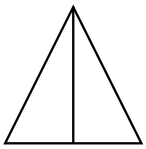
equal or **unequal**

2.



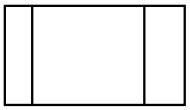
equal or unequal

3.



equal or unequal

4.

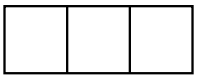


equal or **unequal**

Partitioning Shapes 101

Write the number of equal shares shown in each shape.

EX.

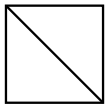


3

1.

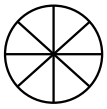
2

2.



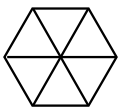
2

3.



8

4.



6

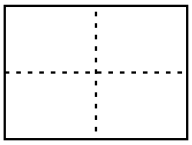
5.

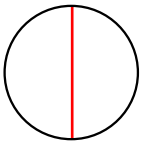
4

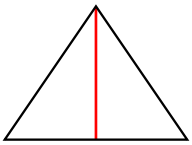
102 Partitioning Shapes

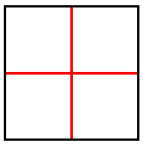
Draw lines to divide each shape into equal shares.

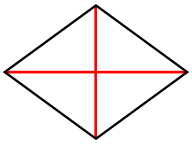
Answers may vary

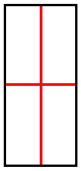
EX 

1 

2 

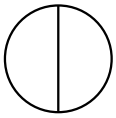
3 

4 

5 

Partitioning Shapes 103

Fill in the blanks with the correct numbers to describe each picture.

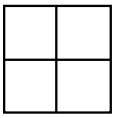
1 

The circle is divided into 2 equal shares.

The picture shows 2 halves.

These 2 halves are equal to 1 whole.

---

2 

The square is divided into 4 equal shares.

The picture shows 4 quarters.

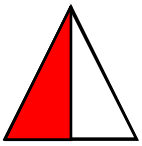
These 4 quarters are equal to 1 whole.

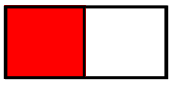
One quarter is also called 1 fourth.

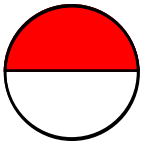
104 Partitioning Shapes

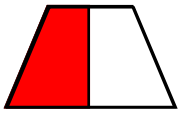
Draw lines to divide each shape into halves. Color one half.

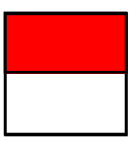
Answers may vary

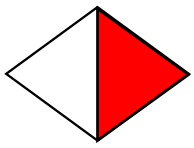
1 

2 

3 

4 

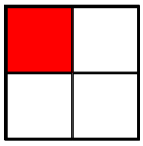
5 

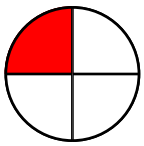
6 

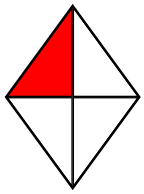
Partitioning Shapes 105

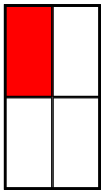
Draw lines to divide each shape into quarters. Color one fourth.

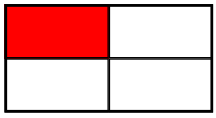
Answers may vary

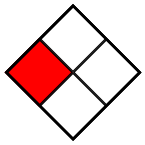
1 

2 

3 

4 

5 

6 

108 Measuring Length

Draw lines as directed.

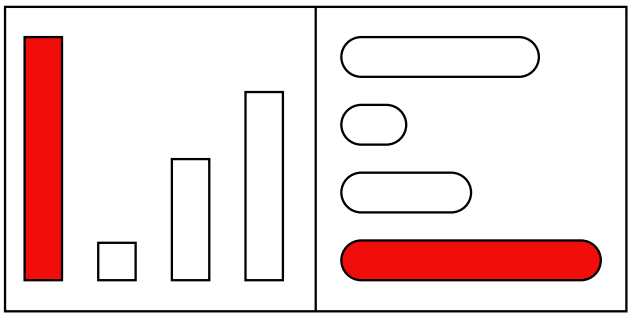
1. Draw a line that is **longer** than the line shown.

2. Draw a line that is **shorter** than the line shown.

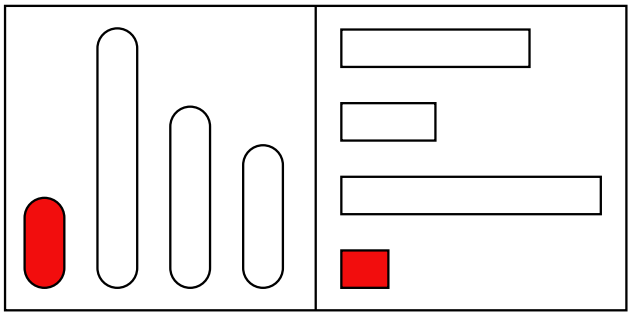
3. Draw 3 lines in order from shortest to longest.

109 Measuring Length

In each group, color the shape that is the **LONGEST.**

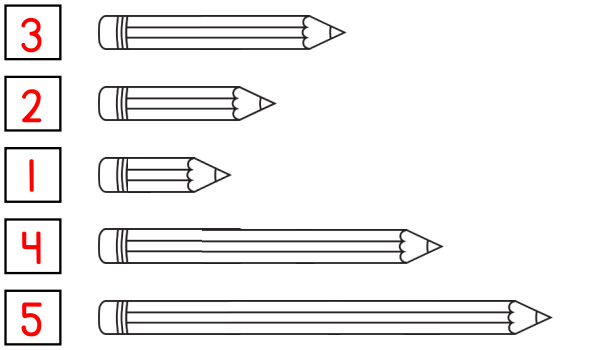


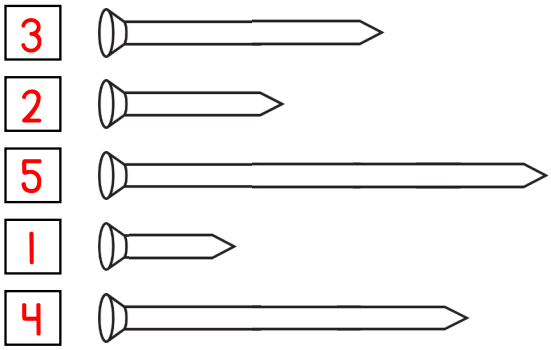
In each group, color the shape that is the **SHORTEST.**



110 Measuring Length

In each group, number the objects from shortest (1) to longest (5).



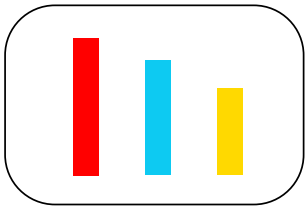


111 Measuring Length

Answer each question below and draw to show your work.

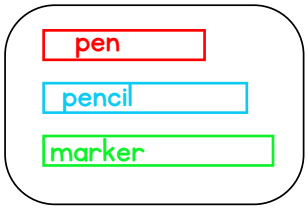
A red crayon is longer than a blue crayon. The blue crayon is longer than a yellow crayon. Is the yellow crayon shorter than the red crayon?

yes



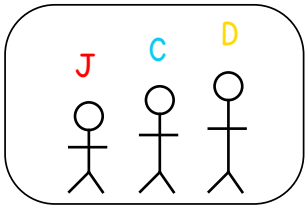
The pen is shorter than the pencil. The marker is longer than the pencil. Is the pen longer than the marker?

no



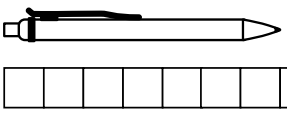
Joanna is shorter than Crystal. Daniel is taller than Crystal. Who is the shortest?

Joanna



112 Measuring Length

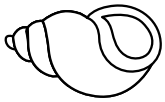
Write how many units long each object is.



7

5

6



4

Measuring Length 113

Draw a line that is the given number of units long.

1. 5 units

2. 8 units

3. 2 units

4. 9 units

114 Telling Time

Draw the hour hand onto each clock to show the correct time.

10:00

5:00

2:00

11:00

3:00

9:00

6:00

1:00

Telling Time 115

Write the time shown on each clock.

1:00

3:00

7:00

12:00

4:00

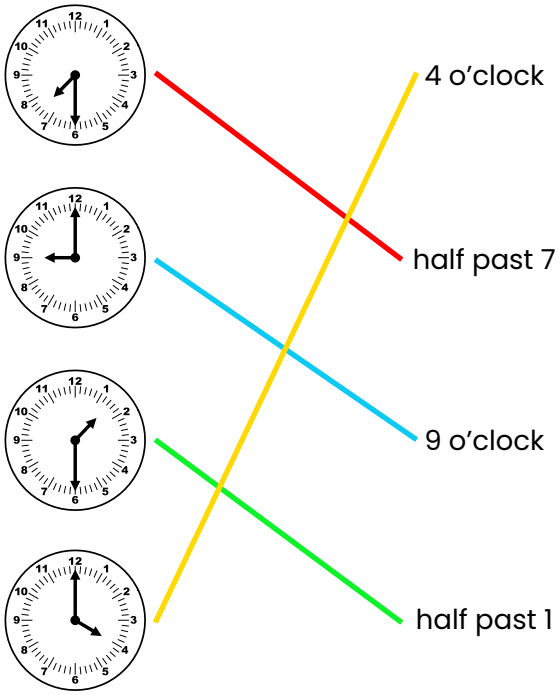
8:00

9:00

11:00

116 Telling Time

Draw a line to connect each clock to the time it shows.



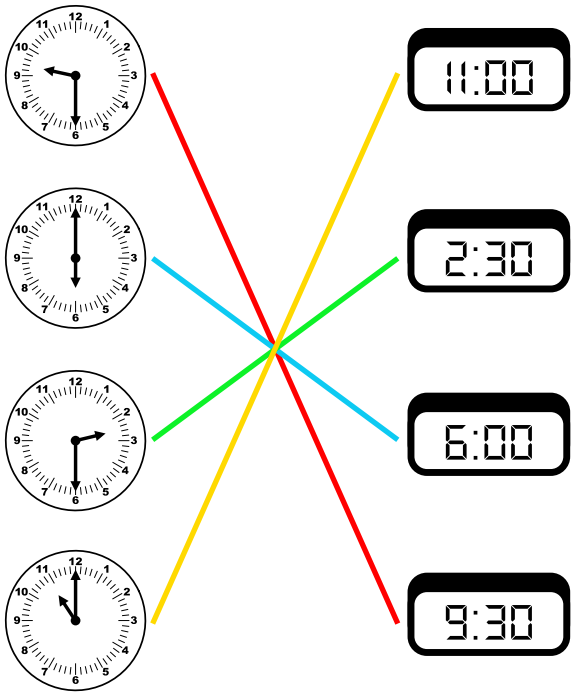
Telling Time 117

Write the time shown on each clock.

 2:30	 7:30
 9:30	 3:30
 12:30	 8:30
 4:30	 11:30

118 Telling Time

Draw a line to connect the analog and digital clocks that show the same time.



Telling Time 119

Write the time shown on each clock.

 2:00	 3:30
 10:30	 4:00
 8:00	 12:30
 5:30	 7:00

120 Interpreting Data

Use the picture graph to answer the questions below.

INSECTS	
bees	3
ladybugs	6
ants	5

1. How many of each insect are there?

   bees: 3 ladybugs: 6 ants: 5

2. How many insects are there all together?

   3 + 6 + 5 = 14

3. How many more ladybugs are there than bees?

   6 - 3 = 3

4. How many fewer bees are there than ants?

   5 - 3 = 2

Interpreting Data 121

Fill in the totals on the tally chart. Then, use the tally chart to answer the questions below.

STUDENTS' FAVORITE SPORTS		Total
soccer	𝍸 |	6
basketball	||||	4
baseball	|||	3
football	𝍸 ||	7

1. Which sport was chosen by the most students? football

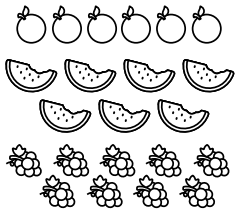
2. How many more students chose soccer than baseball? 3

   6 - 3 = 3

3. How many students chose either football or basketball? 11

   7 + 4 = 11

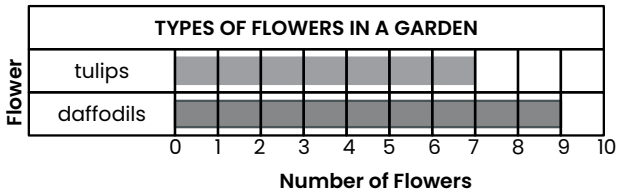
Complete the tally chart based on the picture below.



FRUITS		Total
🍎	𝍸 |	6
🍉	𝍸 ||	7
🍇	𝍸 ||||	9

122 Interpreting Data

Use the bar graph to answer the questions below.



1. How many tulips are there? 7

2. How many flowers are there all together? 16

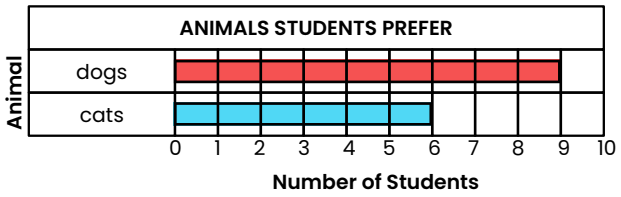
   7 + 9 = 16

3. How many more daffodils are there than tulips? 2

   9 - 7 = 2

Make a bar graph to show the following data.

Mr. Jones asked his students if they preferred dogs or cats. 9 students chose dogs and 6 students chose cats.

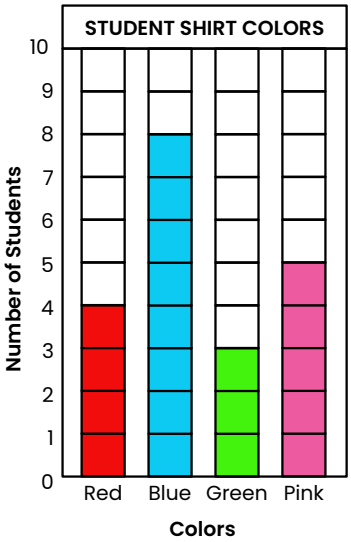


Interpreting Data 123

Make a bar graph to show the data given. Then, answer the questions below.

Students in Ms. Fraser's class recorded the colors of the shirts they wore to school today.

- 4 students wore red shirts.
- 8 students wore blue shirts.
- 3 students wore green shirts.
- 5 students wore pink shirts.



1. How many students wore a red or pink shirt? 9

   4 + 5 = 9

2. How many more students wore blue than green? 5

   8 - 3 = 5