DK WORKBOOKS

1st Grade

Problem Solving

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The answers to all the questions and activities in this printable PDF can be found in the complete eBook, which is available for purchase from all major eBook retailers.
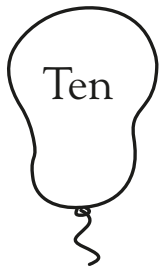
DK

Learn the number words for 1 to 10.

Draw a line to match the number word on each balloon with the correct number from the list in the middle.

Seven

One

Ten

Four

Five

1

2

3

4

5

6

7

8

9

10
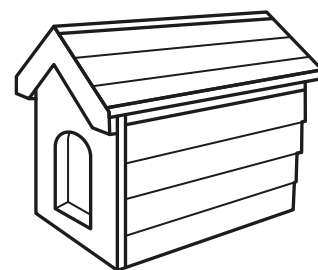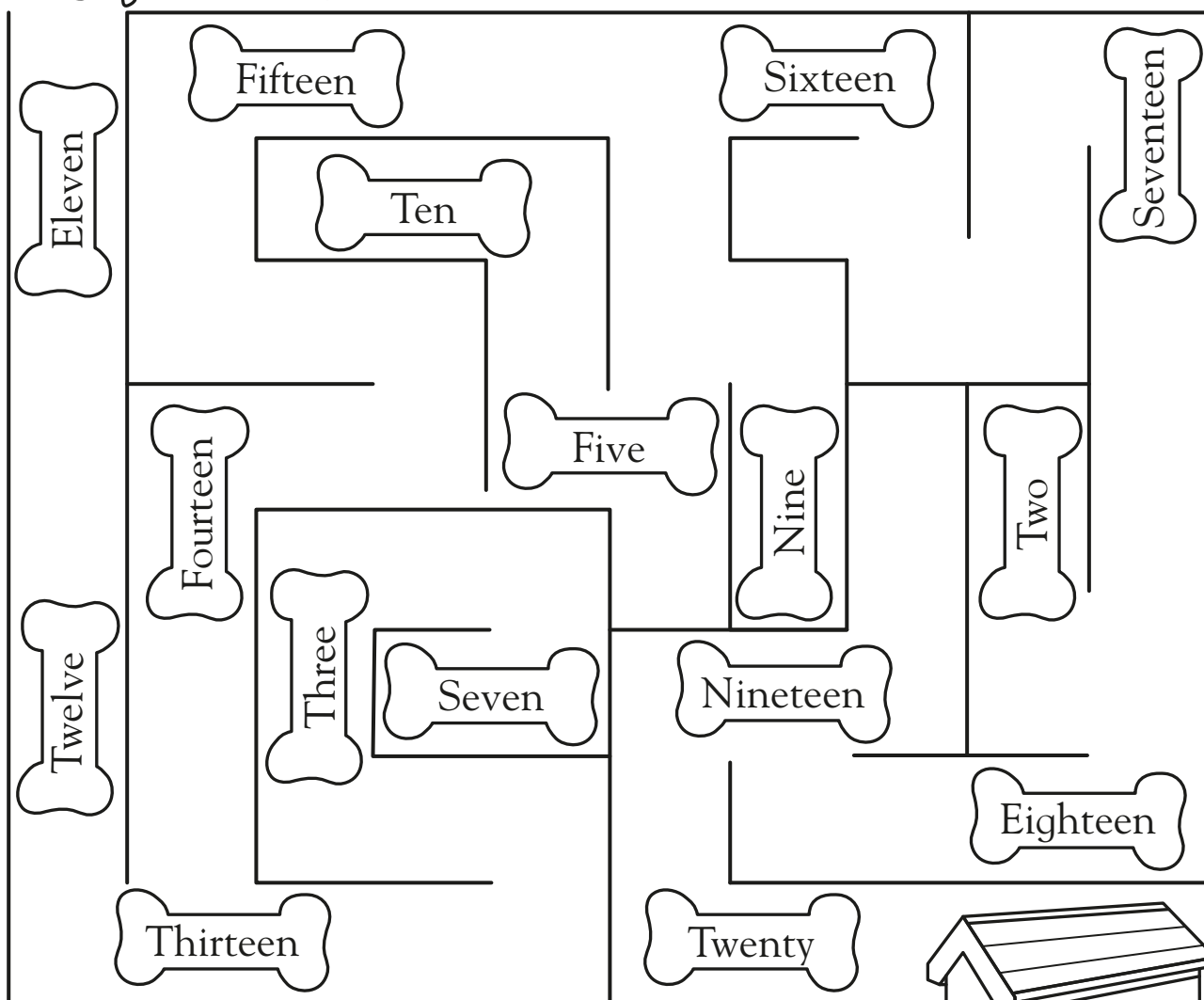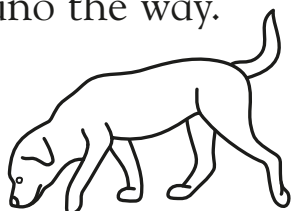
Two

Nine

Eight

Three

Six

$×÷%=$+?−×÷%=$?+−%×÷=$+?−×÷%

Learn the number words for 11 to 20.

Help Bruno the dog reach his doghouse. Find the bones that have the number words from 11 to 20 on them. Color them in to show Bruno the way.
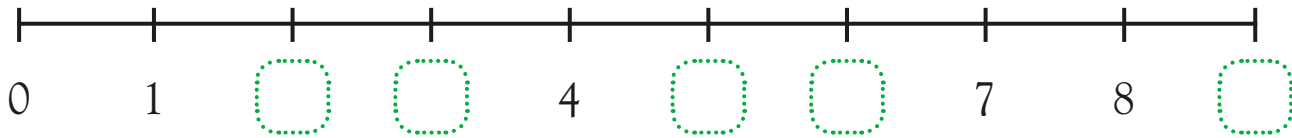
Fifteen

Sixteen

Seventeen

Eleven

Ten

Five

Nine

Two

Fourteen

Three

Seven

Nineteen

Twelve

Eighteen

Thirteen

Twenty

★ Number Lines

Learn to count along a number line.

Fill in the missing numbers on the number line below.

0   1   ⬚   ⬚   4   ⬚   ⬚   7   8   ⬚

Now circle the correct number to answer these questions.

If you start at 3 and count forward two numbers, which number do you land on?

5   7   8

If you start at 0 and count forward three numbers, which number do you land on?

2   3   4

If you start at 5 and count forward four numbers, which number do you land on?

7   8   9

Find two even numbers on the line and write them here.

⬚   ⬚

Find two odd numbers on the line and write them here.

⬚   ⬚

$×÷%=$+?−×÷%=$?+−%×÷=$+?−×÷%

Learn to solve addition problems using a number line.

Jake, Sara, and Don visit the farmers' market with their dad. Count along the number line below to find the answer for each problem.


```
+----+----+----+----+----+----+----+----+----+
0    1    2    3    4    5    6    7    8    9
```

Dad buys two apples for Sara and three apples for Jake. How many apples is that altogether?

apples

For Halloween, Don would like a pumpkin for the front porch. Jake wants one for the back porch. Sara wants one for the front window. How many pumpkins should they ask their dad to buy?

pumpkins

Dad picks two big, juicy tomatoes from a stall and puts them in a bag. Sara adds two more tomatoes to the bag. How many tomatoes are in the bag altogether?
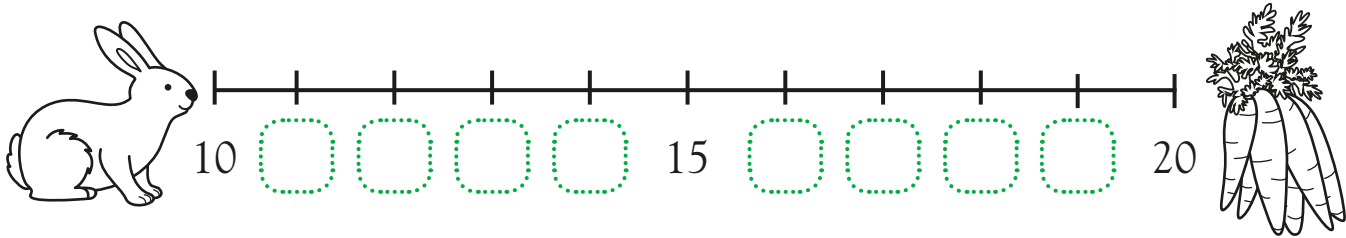
tomatoes

Learn to use a number line with two-digit numbers.

Write the missing numbers on this number line.

10 [ ] [ ] [ ] 15 [ ] [ ] [ ] 20

Now solve these problems, using the number line.
Write your answers in the boxes.

If Bunny starts at 10 and hops forward two
numbers, which number will he land on?

[ ]

If Bunny hops to 14 and then he makes two more
hops forward, which number will he land on?

[ ]

If Bunny rests on 17 and then makes one more hop
forward, which number will he land on?

[ ]

At 18, Bunny smells some juicy carrots. How many more
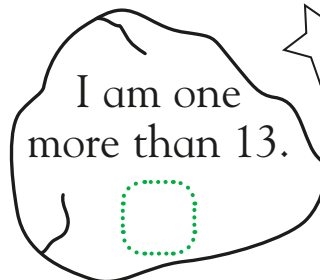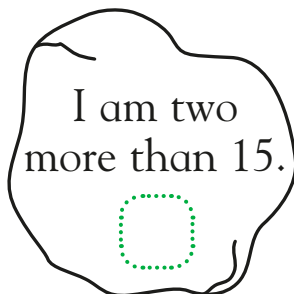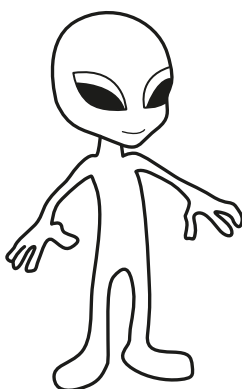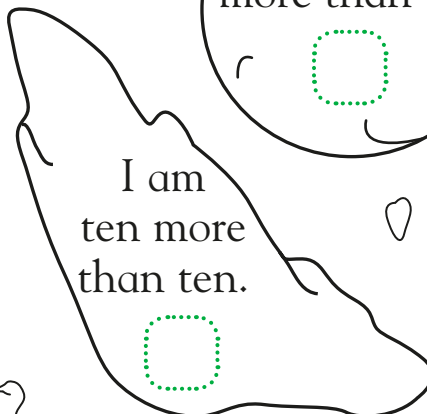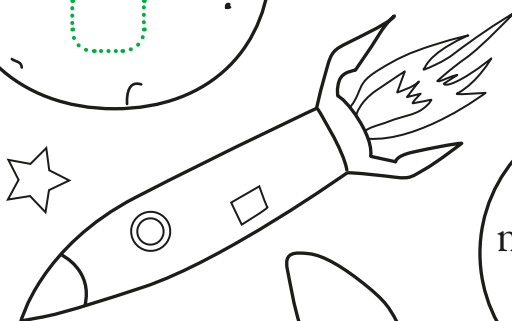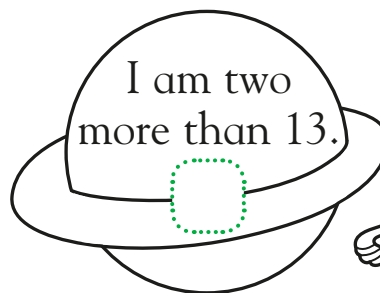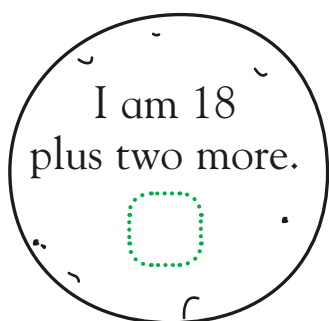hops must he make to reach the carrots at number 20?

[ ]

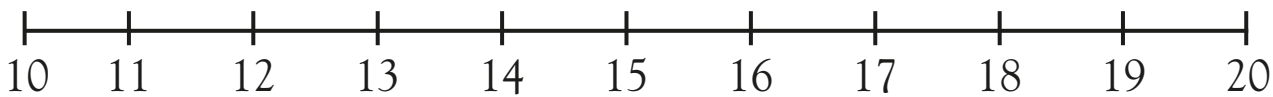# Double-Digit Number Lines

GOAL

Practice counting two-digit numbers along a number line.

Use the number line to find the answers to the clues below.

10 11 12 13 14 15 16 17 18 19 20

I am 18 plus two more.

I am two more than 13.

I am one more than 17.

I am three more than 13.

I am ten more than ten.

I am three more than 16.

I am two more than 15.

I am one more than 13.
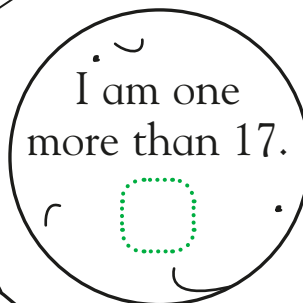
Learn to solve subtraction problems using a number line.

Chloe the cat has nine kittens. Help her keep track of them by filling in the missing number in each rhyme. Use the number line to figure out the answers.

```
|----|----|----|----|----|----|----|----|----|
0    1    2    3    4    5    6    7    8    9
```
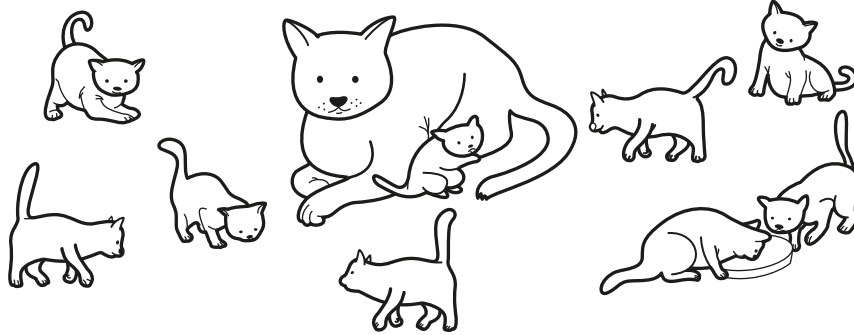
Three kittens are playing, but one runs away.

Now just [ ] of the kittens are left to play.

Five kittens are drinking from a pan.

But [ ] take off to see a tall man.

Two of the kittens stay by the pan.

Seven kittens climb up a tree.

[ ] climb down.

And now the tree has three.

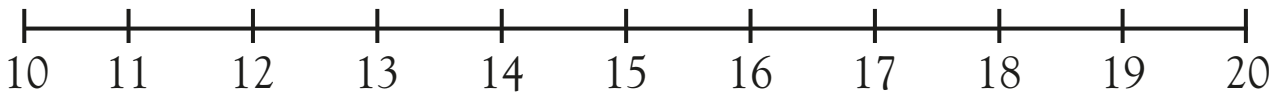Nine kittens run outside chasing a mouse.

[ ] kittens are left in the house.

Practice subtraction with a double-digit number line.

The Rams basketball team has won six games in a row. The scores are given below. Count backward on the number line to figure out the difference in points scored in each game.

```
10   11   12   13   14   15   16   17   18   19   20
```

Game 1

Rams	Visitors
17	6

Difference

Game 2

Rams	Visitors
15	5

Difference

Game 3

Rams	Visitors
20	7

Difference

Game 4

Rams	Visitors
15	1

Difference

Game 5

Rams	Visitors
18	2

Difference

Game 6

Rams	Visitors
20	10

Difference

Now answer these questions.

Which game shows a difference of 14 points? ....

Which game has a difference of 11 points? ....
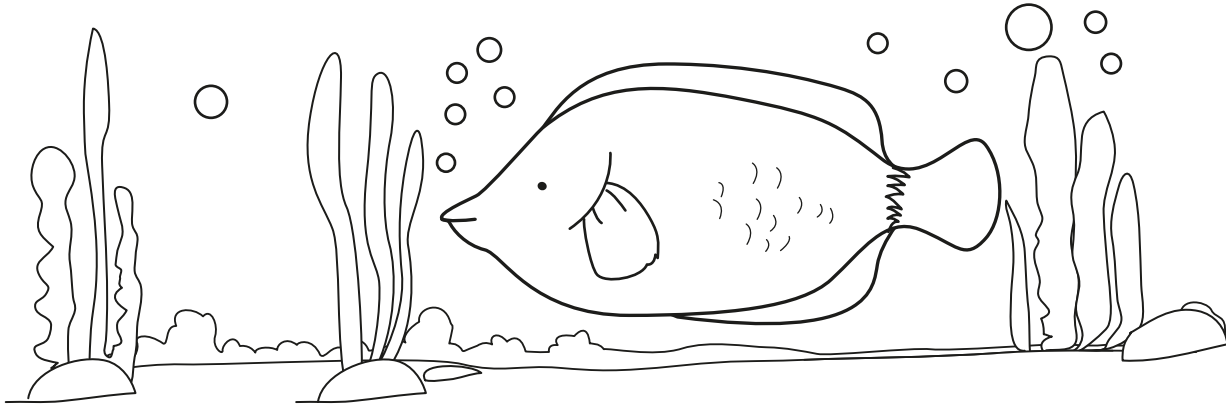
Which game did the Rams win by the most points? ....

Learn to solve problems that involve adding three numbers.

Flash the fish is swimming through the salty sea.

Write out the number sentence to solve each of these problems.

Four whales swim up to Flash. Then four rays arrive, followed by two clown fish. How many sea animals are with Flash now?

⬜ + ⬜ + ⬜ = ⬜ sea animals

Flash swims past three sea anemones. He then sees five more sea anemones. Later, he spots another four. How many sea anemones does Flash see in all?

⬜ + ⬜ + ⬜ = ⬜ sea anemones

Flash sees 15 starfish on the ocean floor. Then he spots two jellyfish and a small blue fish next to them. How many sea animals does Flash see on the ocean floor?

⬜ + ⬜ + ⬜ = ⬜ sea animals

> Learn about number order when adding.

Write the answers to each pair of equations. **Note:** The numbers being added are the same in each pair.

$7 + 2 + 1 = \boxed{}$ $2 + 7 + 1 = \boxed{}$

$6 + 1 + 0 = \boxed{}$ $0 + 6 + 1 = \boxed{}$

$5 + 3 + 1 = \boxed{}$ $3 + 1 + 5 = \boxed{}$

What do the answers tell you about the order of numbers (or addends) in an addition problem?

....

Carrie and Mack go to a carnival.

Carrie takes two rides on the Ferris wheel, one ride on the Space Blaster, and three rides on the Tilt-a-Whirl.

Mack takes three rides on the Ferris wheel. Then he rides the Tilt-a-Whirl twice and the Space Blaster once. Who takes the most rides? **Hint:** First write the number sentences to arrive at the answer.

Carrie's rides   Mack's rides

....

....

Practice solving addition problems.

In each set of problems, circle the number sentences that match the words.

Set 1

Christian buys five pencils, three markers, and six notebooks. How many items does he buy altogether?

$5 + 8 + 6 = 19$ $5 + 3 + 6 = 14$

Allie buys five headbands, six hairbrushes, and three combs. How many items does she buy altogether?

$3 + 6 + 3 = 12$ $5 + 6 + 3 = 14$

Set 2

Mr. Jones buys four pizzas, five salads, and six drinks. How many items does he buy altogether?

$4 + 5 + 6 = 15$ $4 + 5 + 4 = 13$

Mary's mom orders six pieces of chicken, four kinds of biscuits, and five drinks in a restaurant. How many items does she order?

$6 + 5 + 6 = 17$ $6 + 4 + 5 = 15$

What do you notice about the number sentences you circled for each set of problems?

....

....

Learn to simplify three-number addition problems by first adding the numbers that equal ten.

Solve these equations.
Hint: First circle two numbers that add up to ten and combine them. The first one has been done for you.

$$(6 + 4) + 3 = \boxed{10} + \boxed{3} = \boxed{13}$$

$$7 + 5 + 5 = \boxed{} + \boxed{} = \boxed{}$$

$$9 + 9 + 1 = \boxed{} + \boxed{} = \boxed{}$$

$$0 + 10 + 4 = \boxed{} + \boxed{} = \boxed{}$$

Write number sentences to solve these problems.
Remember: First circle and combine two numbers in your number sentence that add up to ten.

Bob saw six rattlesnakes at the zoo. He also saw four coral snakes and three garden snakes. How many snakes did Bob see altogether?

$$\boxed{ + } = \boxed{} + \boxed{} = \boxed{} \text{ snakes}$$

Carmen read five books about horses. Jane also read five different books about horses, followed by two books about ponies. How many books did the girls read altogether?

$$\boxed{ + } = \boxed{} + \boxed{} = \boxed{} \text{ books}$$
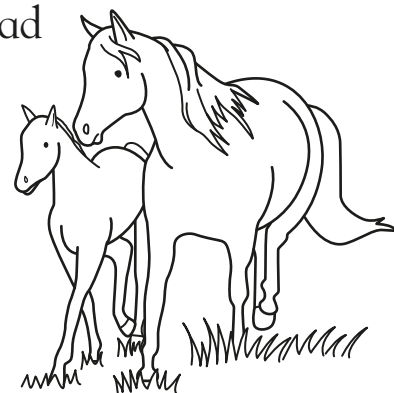
Learn to count by tens.

Four crows are gathering twigs to build their nests. Solve these problems. Show your work in the box. The first one has been done for you.
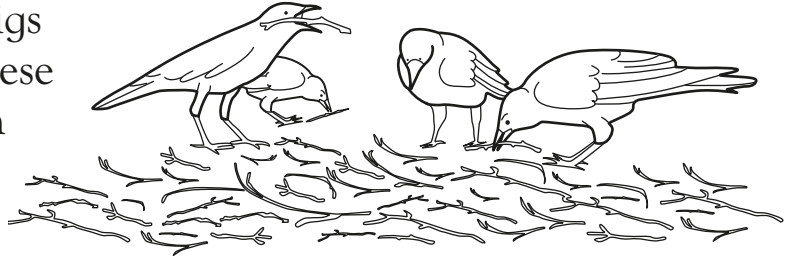
Each crow gathers a bundle of ten twigs. How many twigs do they collect altogether?

40
twigs

4 bundles of 10 =
10 + 10 + 10 + 10
= 40

One crow uses her bundle of twigs to build a nest. How many unused twigs do the crows now have altogether?

twigs

Another crow decides to make a larger nest. She uses twice as many twigs as the first crow did. How many twigs does she use?

twigs

The four crows go out to gather more twigs. This time they collect two bundles of ten sticks each. How many twigs is that altogether?

twigs

Learn to solve problems using equations with unknown, or "mystery," numbers.

Solve these problems. Show your work in the box.
The first one has been done for you.

A spider caught ten flies in its web. After eating a few, it had four flies left. How many flies did the spider eat?
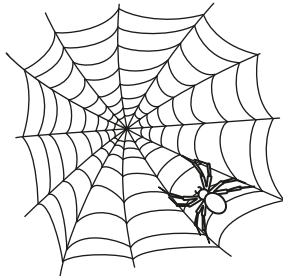
6 flies

$$4 + ? = 10$$
$$10 - 4 = 6$$

Some ants are on the ground.
Seven more ants are on a bush.
If there are 12 ants altogether,
how many ants are on the ground?

ants

Thirteen bees are flying around a garden.
A few minutes later, there are 16 bees
flying around. How many more bees
have entered the garden?

bees

Jamie sees 11 ladybugs. They are in two
groups. The first group has five ladybugs.
How many ladybugs are there in the
second group?
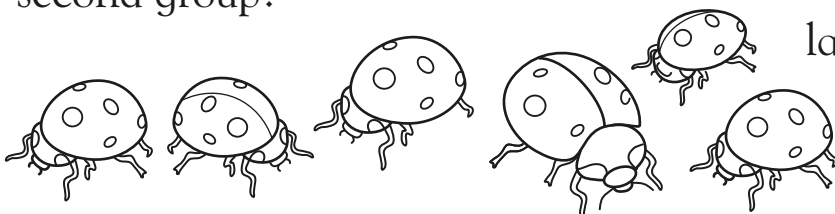
ladybugs

★ Numbers Up to 120

Learn to count and write numbers up to 120.

Karl has a bucket of berries for his pet parrot. Help him reach his pet by filling in the missing numbers on the stones along his path.

$ × ÷ % = $ + ? − × ÷ % = $? + − % × ÷ = $ + ? − × ÷ %

Words and Numbers ⭐
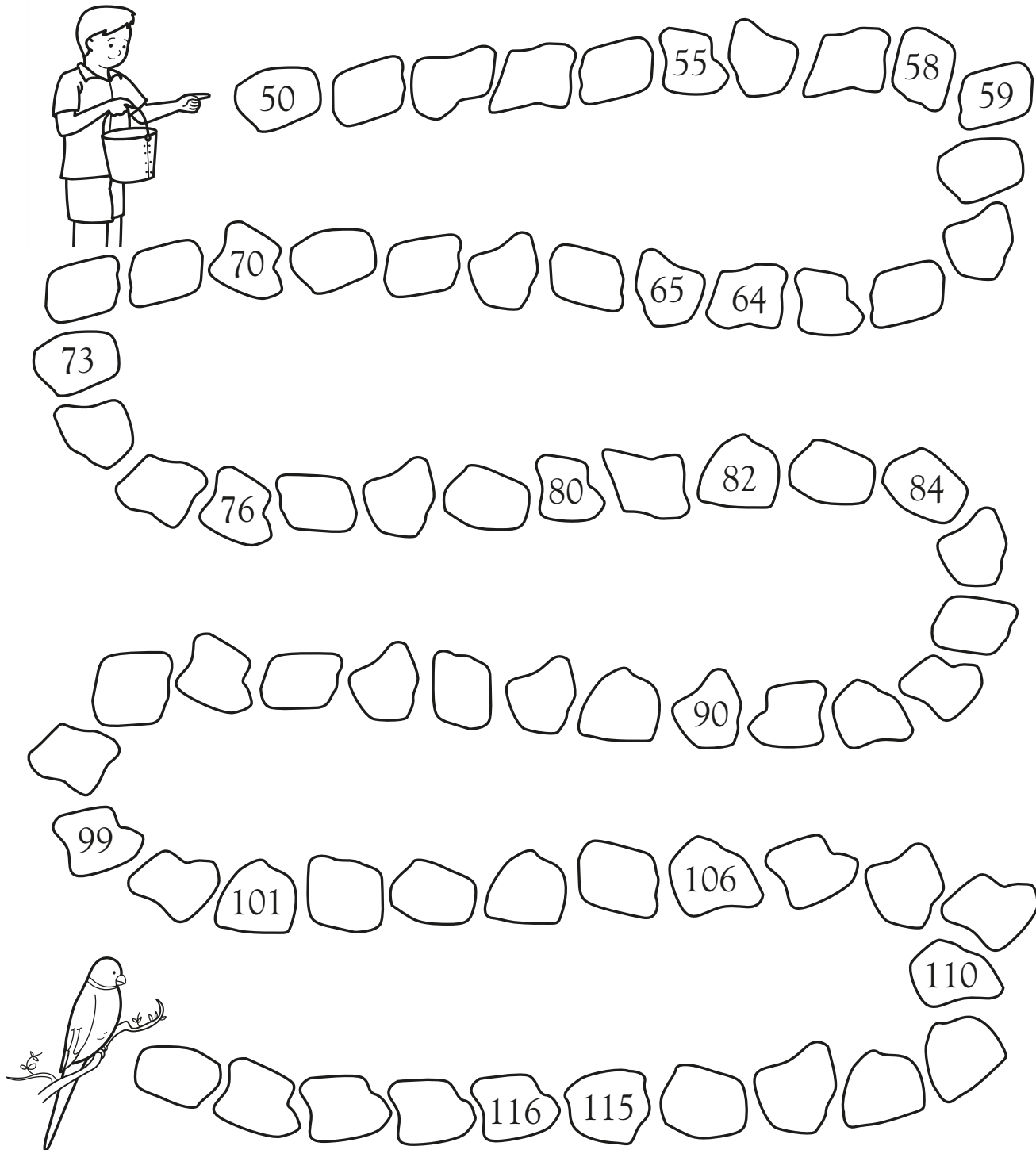
Practice matching two-digit numbers with their number words.

How many buttons are in these two jars altogether? Circle the correct answer.

Seventy-five

Eighty-five

70 buttons   15 buttons

Write ninety-nine as a number.

Circle the number word that is made up of five tens and eight ones.

Fifty-eight   Eighty-five

Circle the correct number word for 62.

Seventy-three   Sixty-two

Which page in this book is the picture of a horse on? Circle the correct answer.
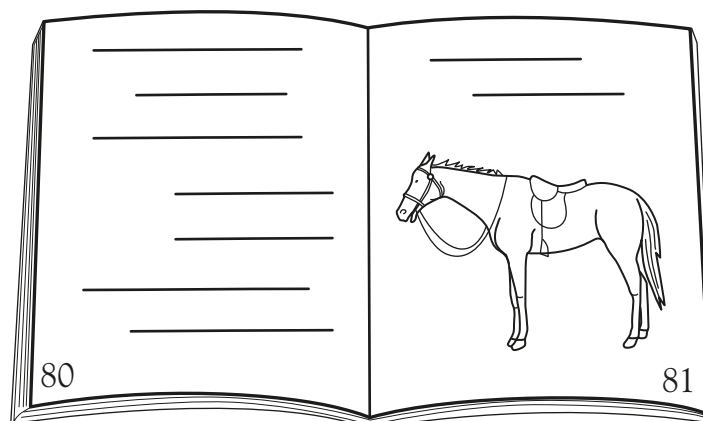
Eighty-one

Sixty-one

80   81

Learn to use the symbols for greater than (>) and less than (<) to compare numbers.

Look at the numbers on each pair of fish below. Then write the correct symbol to compare the numbers.

15 ☐ 33   61 ☐ 60

45 ☐ 38   38 ☐ 32

19 ☐ 56   42 ☐ 50

27 ☐ 14   25 ☐ 15

63 ☐ 99   72 ☐ 82
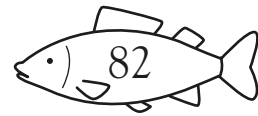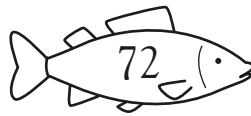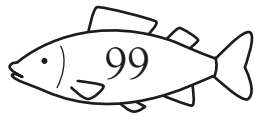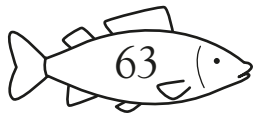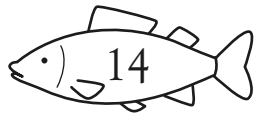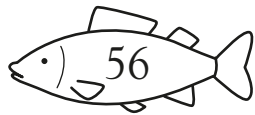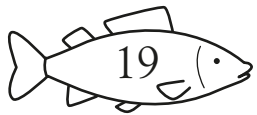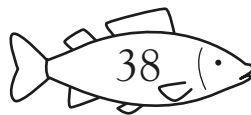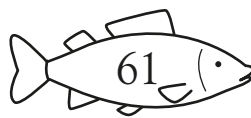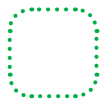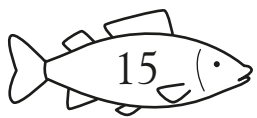
Look at the fish again. If a fish has a number that is greater than 30, color it in.

Learn three ways to represent two-digit numbers.

Fill in the empty boxes on the chart.

Word	Numeral	Blocks
Thirty-two	⬚	
....	25	
Sixteen	16	
....	⬚	

★ Tens and Ones

GOAL

Learn about the place values of tens and ones in two-digit numbers. For example, the numeral 23 is made up of 2 tens and 3 ones.

Tens	Ones	
2	3	= 23

These children are learning about place values. On the table are small blocks to represent ones and longer blocks to represent tens.
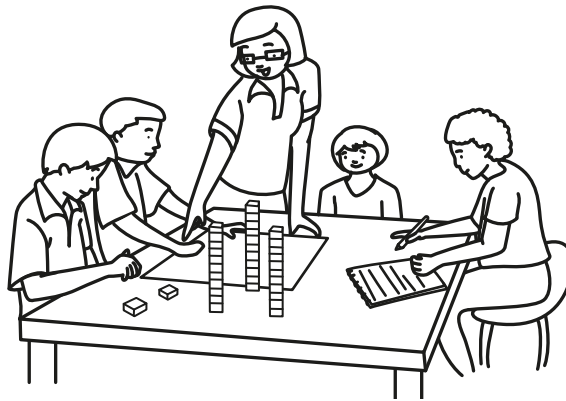
Todd uses the blocks on the table to make a model for the number 27. He lays out two long blocks to show 2 tens. How many small blocks must he add to show the ones?

☐ small blocks

The teacher shows the children a drawing of some dots to illustrate the number 87. Her drawing shows seven dots for the ones. How many rows of ten dots does it show?

☐ rows

Charlene writes the number 45 on a piece of paper. She then draws some dots to illustrate the number. She draws a group of five dots for the ones. What else must she draw to illustrate the number 45?

....

Do the numbers 14 and 41 have the same number of tens and ones?

....

$×÷%=$+?−×÷%=$?+−%×÷=$+?−×÷%

Learn about place value in two-digit numbers.

These pirates are digging for treasure. Treasure boxes, buried deep in the sand, contain gold. Each box has a code on it showing how much treasure is inside it. Use the key to work out how many bars of gold are in each box.
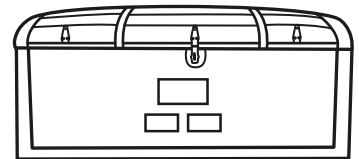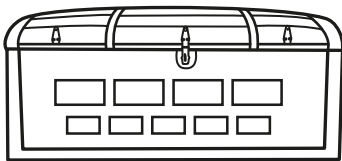
Key

⬜ = 10 bars of gold

▭ = 1 bar of gold
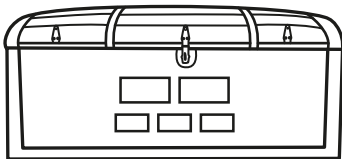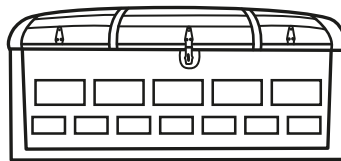
_____ pieces   _____ pieces   _____ pieces
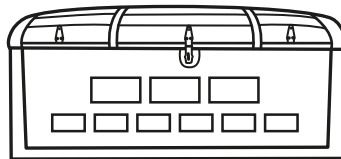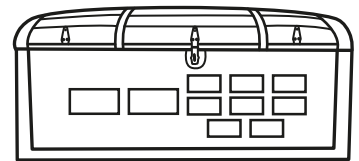
_____ pieces   _____ pieces   _____ pieces
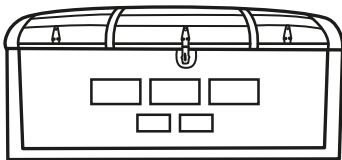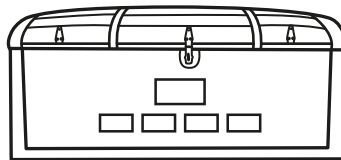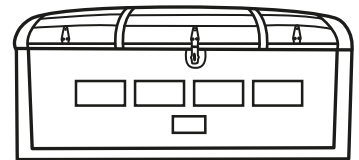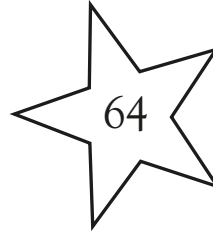
_____ pieces   _____ pieces   _____ pieces
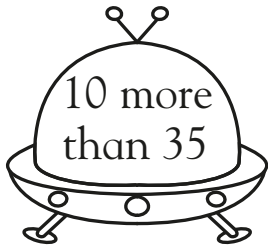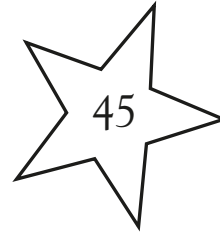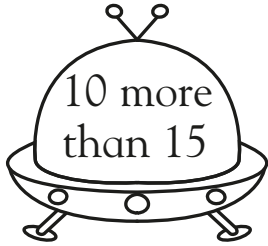
★ Ten More or Ten Less

GOAL

Learn to identify ten more or ten less than a two-digit number.

Draw a line to match each spaceship to the star with the correct answer.

10 more than 15

10 more than 35

10 less than 61

10 more than 90

10 less than 74

45

64

25

51

100

$×÷%=$+?−×÷%=$?+−%×÷=$+?−×÷%
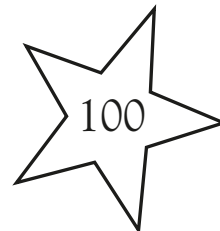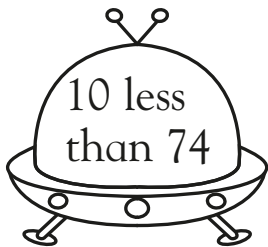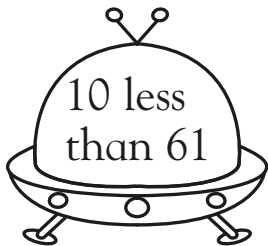
Practice solving problems by calculating ten more or ten less than a two-digit number.

Solve these problems. Try to use mental math to figure out the answers, if you can.

Juan counts 22 birds in the branches of a tree. He then sees another ten birds flying by. How many birds does Juan see altogether?

☐ birds

Jane counts 18 fence posts as she rides her bicycle down the street. As she rides back, she counts ten more fence posts on the other side of the street. How many fence posts does Jane count altogether?

☐ fence posts

Mike counts 13 yellow flowers in his garden and ten yellow flowers in his neighbor's garden. How many yellow flowers does he count altogether?
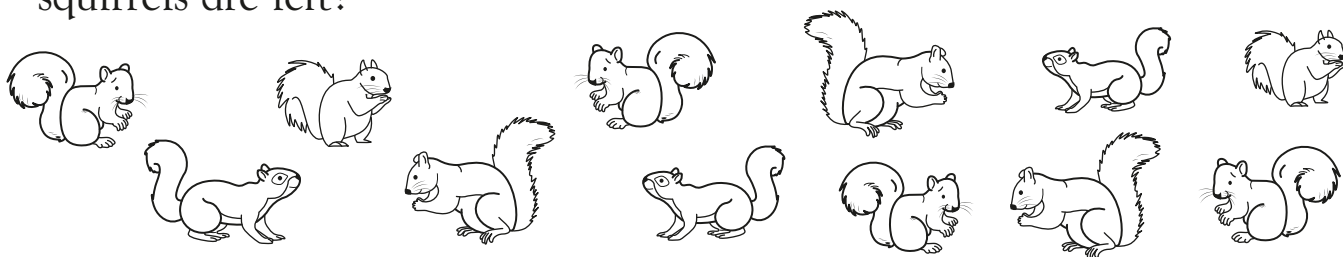
☐ yellow flowers

Shep spots 16 butterflies near a path. Ten of them fly away. How many butterflies are left?

☐ butterflies

Jason sees 12 squirrels near a tree. As Jason approaches, ten of them run away. How many squirrels are left?

☐ squirrels

GOAL

Practice addition with two-digit numbers.
Hint: First add the ones together, then add the tens.

$$
\begin{array}{r} 2\,|\,2 \\ +\ 1\,|\,4 \\ \hline 6 \end{array}
\quad \rightarrow \quad
\begin{array}{r} 2\,|\,2 \\ +\ 1\,|\,4 \\ \hline 3\ 6 \end{array}
$$

Write the answers.

$$
\begin{array}{r} 42 \\ +\ 20 \\ \hline \end{array}
\qquad
\begin{array}{r} 31 \\ +\ 51 \\ \hline \end{array}
\qquad
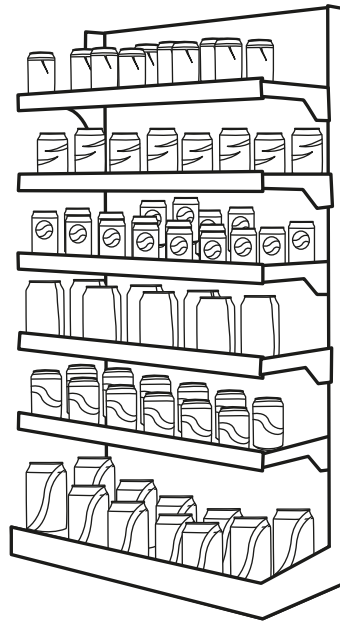\begin{array}{r} 45 \\ +\ 32 \\ \hline \end{array}
\qquad
\begin{array}{r} 12 \\ +\ 33 \\ \hline \end{array}
\qquad
\begin{array}{r} 10 \\ +\ 15 \\ \hline \end{array}
$$

Now solve these problems. Show your work in the box.

Pete stacks 70 cans of peas on the shelves of his store. He also stacks 24 cans of corn. How many cans does Pete stack altogether?

⬚ cans

Pete moves and restacks 50 cans of tomatoes to make room for another 30 cans, which he adds to the shelf. How many cans does he move and stack in all?

⬚ cans

$×÷%＝$+?−×÷%＝$?+−%×÷＝$+?−×÷%

Practice solving addition problems with two-digit numbers.

Tim, Teresa, and their mom visit the garden center. Solve these problems. Show the equations you use to figure out your answers. The first one has been done for you.

Tim buys 12 pink roses and 15 yellow roses. How many roses does he buy altogether?

27

roses

$$12 = 10 + 2$$
$$+15 = 10 + 5$$
$$\overline{\qquad 20 + 7 = 27}$$

Teresa buys 25 daisies and four tulips to go with them. How many flowers does she buy altogether?

flowers

For a party, Mom needs 42 small plants for the tables and 17 flower displays. How many items does she need altogether?

items

Mom orders 22 bushes for the backyard and 25 bushes for the front yard. How many bushes does she order altogether?
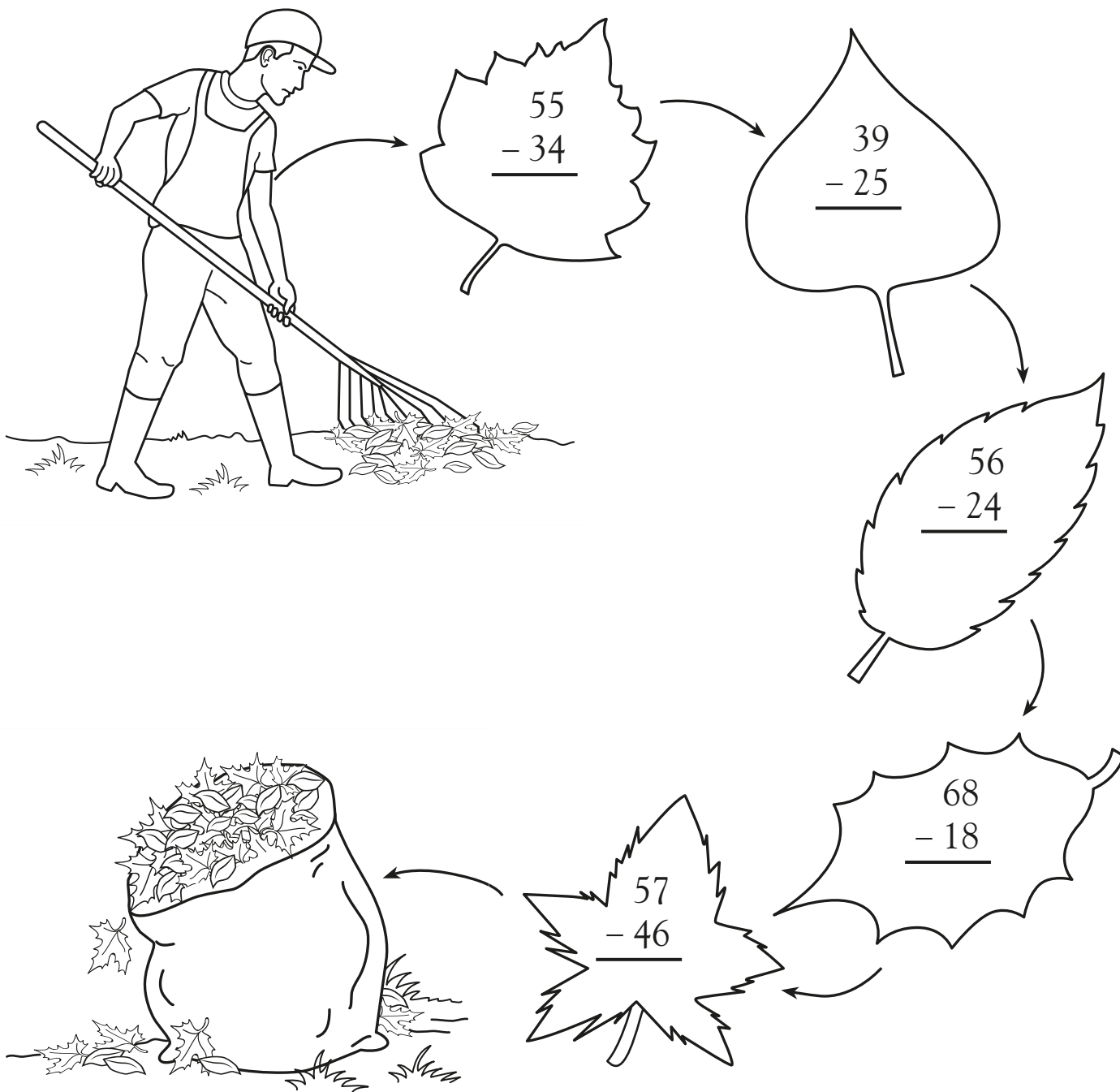
bushes

★ Subtract Two-Digit Numbers

Practice subtraction with two-digit numbers.
Hint: First subtract the ones, then subtract the tens.

$$
\begin{array}{r} 3|6 \\ -\ 1|4 \\ \hline 2 \end{array}
\quad \rightarrow \quad
\begin{array}{r} 3|6 \\ -\ 1|4 \\ \hline 2\ 2 \end{array}
$$

Help rake the leaves by solving the problem on each leaf.

$$
\begin{array}{r} 55 \\ -\ 34 \\ \hline \end{array}
$$

$$
\begin{array}{r} 39 \\ -\ 25 \\ \hline \end{array}
$$

$$
\begin{array}{r} 56 \\ -\ 24 \\ \hline \end{array}
$$

$$
\begin{array}{r} 68 \\ -\ 18 \\ \hline \end{array}
$$

$$
\begin{array}{r} 57 \\ -\ 46 \\ \hline \end{array}
$$

$ \times \div \% = \$ + ? - \times \div \% = \$? + - \% \times \div = \$ + ? - \times \div \%

Subtract Two-Digit Numbers ★

Practice solving subtraction problems with two-digit numbers.

Some friends collect baseball game tickets, baseball cards, and baseballs. Solve these problems. Show your work in the box. The first one has been done for you.

Matt collects 70 baseball cards. Jack collects 50. How many more cards than Jack does Matt collect?

20 cards

$$70 = 70 + 0$$
$$- 50 = 50 + 0$$
$$\overline{20 + 0 = 20}$$

In a year, Joan collects 92 game tickets and Mary collects 50. How many more tickets than Mary does Joan collect?

tickets

Luis collects 22 baseballs. Mike collects 12. How many more baseballs than Mike does Luis collect?

baseballs

Nancy has 18 baseballs. Her dad gave her ten, and her brother gave her the rest. How many baseballs did Nancy's brother give her?

baseballs

★ Money

Learn the names and values of coins.

1¢ — Penny
5¢ — Nickel
10¢ — Dime
25¢ — Quarter
50¢ — Half-dollar

For each row, circle the coin on the right that has the same value as the total number of coins on the left.

ONE CENT ONE CENT ONE CENT ONE CENT ONE CENT = ONE DIME   FIVE CENT   ONE CENT

QUARTER DOLLAR QUARTER DOLLAR = QUARTER DOLLAR   ONE DIME   HALF DOLLAR
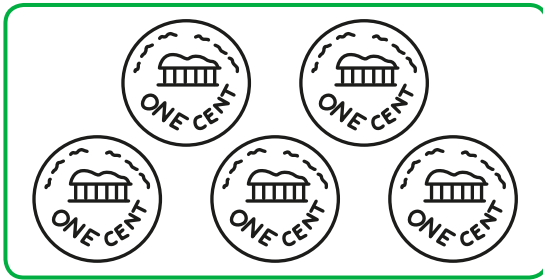
Tom and Mary empty out the contents of their piggy bank. Here are the coins they have.

FIVE CENT QUARTER DOLLAR ONE DIME ONE DIME FIVE CENT ONE DIME ONE CENT
ONE DIME ONE DIME FIVE CENT ONE CENT ONE CENT ONE DIME QUARTER DOLLAR FIVE CENT
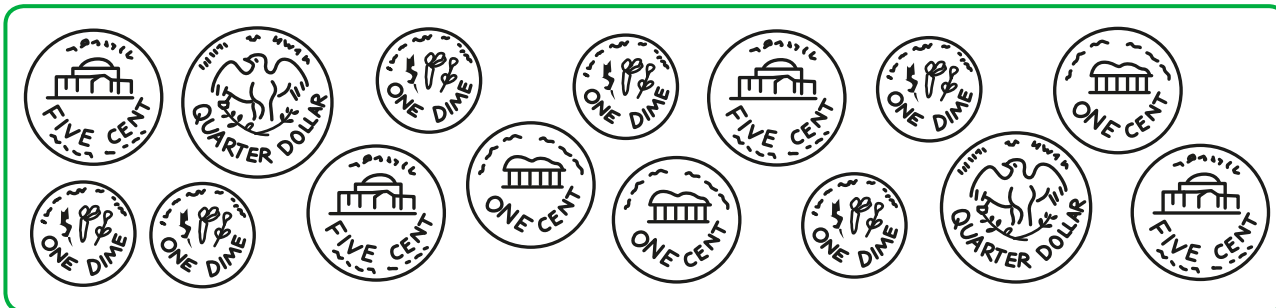
How many of each type of coin do Tom and Mary have?

☐ pennies   ☐ nickels   ☐ dimes   ☐ quarters

$×÷%＝$+?−×÷%＝$?+−%×÷＝$+?−×÷%

GOAL

Learn to solve money problems.

Cole has five pennies. How much money does he have?

Look at these coins. Circle the dime.

Circle the total value of these coins.

= 5¢ 13¢ 6¢
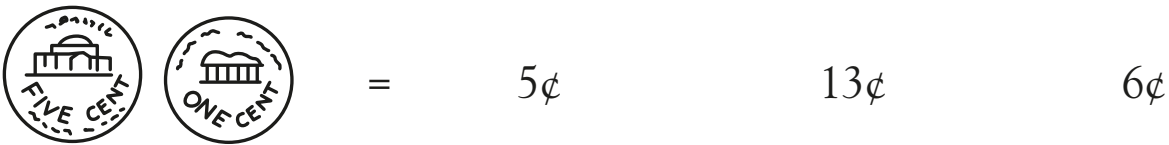
Look at the piggy bank. How much money is in there?
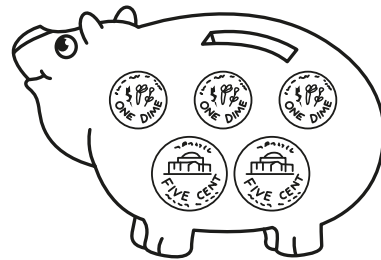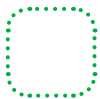
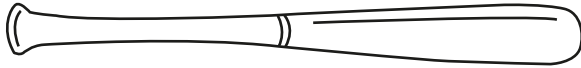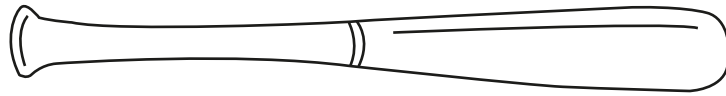Kim has one dime and two pennies. Which of these items can she buy? Circle it.

20¢ 12¢ 25¢
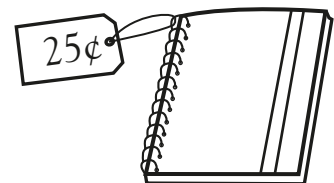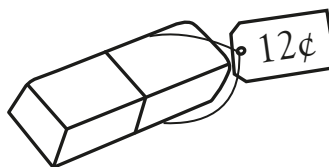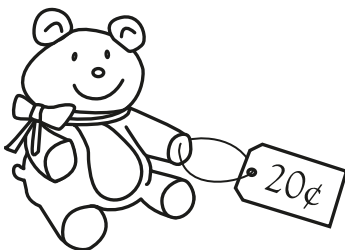
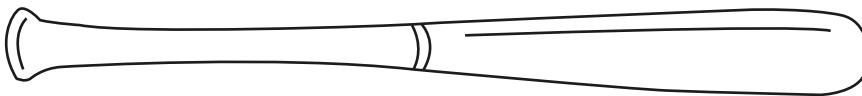Learn to measure length using a common object, such as a penny.

Baseball bats are lying on the floor.

Bat 1

Bat 2

Bat 3

Use a penny to measure each bat and answer these questions.

Which bat is the longest? How long is it?

.... [ ] pennies long

Which bat is the shortest? How long is it?

.... [ ] pennies long

Which bat is 6 pennies long?

....

GOAL

Learn to measure length in inches.

Use a ruler marked in inches to find the length of these objects.
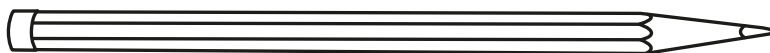
[ ] inches

[ ] inches

[ ] inches

[ ] inches

Now answer these questions.

Which object is the longest?   ....

Which object is the shortest?   ....

Which object is 4 inches long?   ....

GOAL

Learn to measure length in centimeters.

Ruby loves ribbons. Use a ruler marked in centimeters to help her measure these ribbons for her hair.
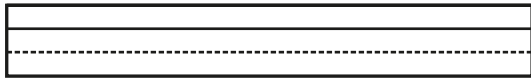
☐ centimeters

☆ ○○ ☆ ○○ ☆ ○○ ☆ ○○ ☆   ☐ centimeters

☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆   ☐ centimeters

Look at these ribbons and then answer the questions.

3 cm

7 cm

☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆ ☆   10 cm
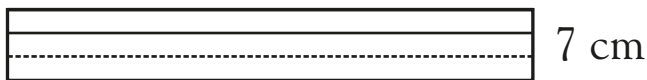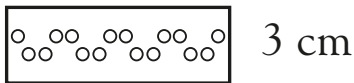
How many of the ribbons shown above are longer than 6 centimeters?   ☐ ribbons
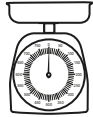
How many of the ribbons shown above are shorter than 8 centimeters?   ☐ ribbons

Ruby needs a piece of ribbon that is 10 centimeters long. Which of the ribbons shown above can she use? Circle it.

Learn about different measurement tools and their uses.
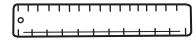
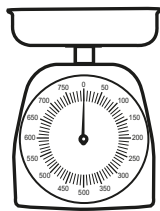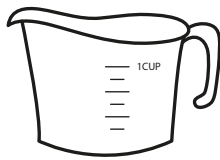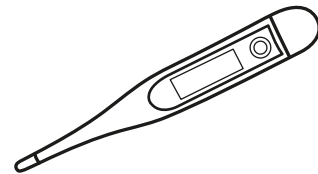| Weight	Volume	Temperature	Length
Scale	Measuring cup	Thermometer	Ruler

Circle the correct picture to answer each question.

Jan wants to weigh some apples. Which one of these tools should she use?

Mom needs one cup of milk to make pancakes. Which of these tools should she use?

A teacher wants to measure the height of one of her students. Which one of these should she use?

Kim has the flu. Her mom wants to check Kim's temperature. Which one of these tools should Kim's mom use?
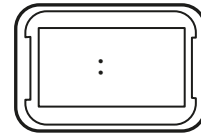
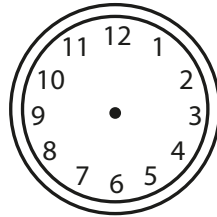Learn to tell the time to the hour and the half hour.
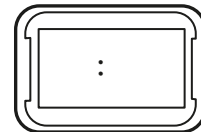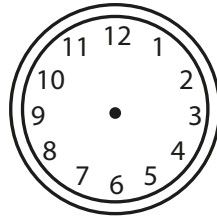
 2:00

Two o'clock

 3:30

Three thirty

Show the correct time to match the statements given below. First draw the hands on the analog clock. Then write the time on the digital clock.
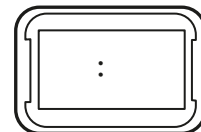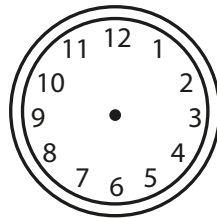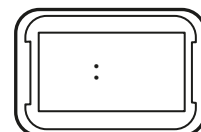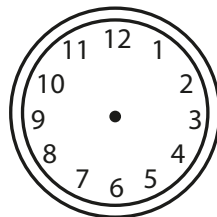
Grumpy the groundhog gets up at 7 o'clock.

 :

Ronnie the rabbit has his breakfast at 8 o'clock.

 :

Suzy the squirrel wakes up at five thirty.

 :

Pearl the peacock takes her nap at one thirty.
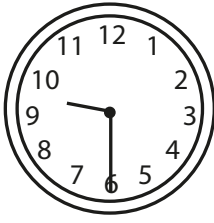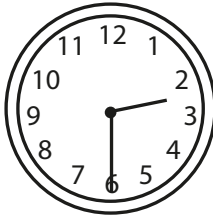
 :

$×÷%=$+?−×÷%=$?+−%×÷=$+?−×÷%

Practice telling the time. **Note:** When you say "half past one," it is the same as saying "one thirty."

Match the times written in the box below to the correct clock image. Write the correct time underneath each clock.
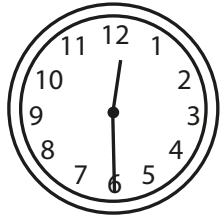
11:30	Seven thirty	8:30	2 o'clock	4:00
Nine thirty	10 o'clock		Two thirty	Twelve thirty

....

....

....

2:00

....
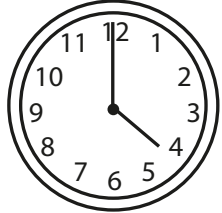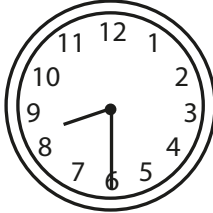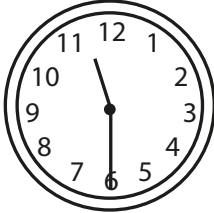
7:30

....

10:00

....
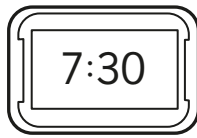
GOAL

Learn to read a calendar.

Look at the calendar page below. Then answer the questions that follow.

July

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
		1	2	3	Independence Day 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		

How many Sundays are in the month shown?

Tom's birthday is on July 12. Jo's birthday is on July 16. How many days later than Tom's birthday is Jo's? _____ days

Which day of the week is July 1? ....

Which day comes between Wednesday and Friday? ....

It is July 22. In three days, Mrs. Lee's class is going on a picnic. What day is the picnic on? What will the date be? ....

$x \div \% = \$ + ? - x \div \% = \$? + - \% x \div = \$ + ? - x \div \%$

Practice using a calendar.

Use this calendar page to answer the questions below.

September

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday
				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	

How many days are in September? ⬚ days

How many Fridays are in this month? ⬚

September 8 is Mary's fourth day back at school after summer vacation. On which day and date did school start? ....

Mark has soccer practice in two days. Today is September 6. On what day and date does Mark have soccer practice? ....

★ 2-D Shapes

Learn to identify some common 2-D shapes.

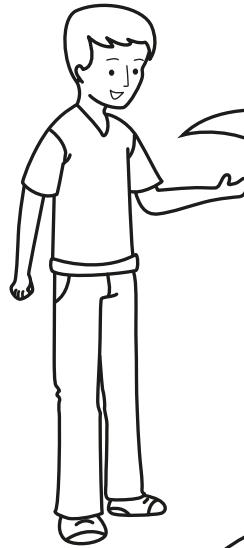| □	△	⬭	◯	▭
Square	Triangle	Oval	Circle	Rectangle

Fill in the missing word in each speech bubble.

I see a shape with four corners and four straight sides. The sides are not all the same length, but opposite sides are. It is a ....

I see a shape with four corners and four sides that are the same length. It is a ....

I see a shape that has three sides and three corners. It is a ....

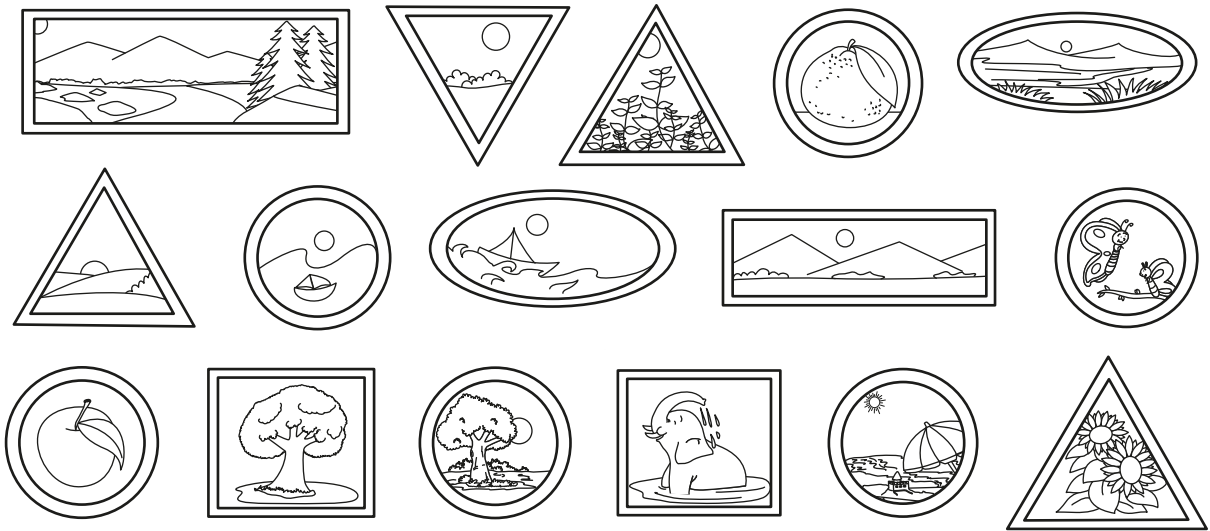I see a shape that looks like an egg. It has no corners. It is an ....

I see a round shape. It has no corners. It is a ....

$x ÷ % = $ + ? − x ÷ % = $? + − % x ÷ = $ + ? − x ÷ %

Learn to identify 2-D shapes in the world around you.

Look at these pictures on the wall of an art gallery. They are displayed in a variety of frames. How many frames of each shape can you see? Add this information to the chart below.

Shape	◻	△	⬭	◯	▭
Number					

Now answer these questions.

Which shape is there the most of? ....

....

Which three shapes have two frames each?

....

....

Four of the frames are this shape.
Which shape is it? ....
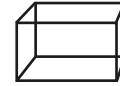
Learn to identify some common 3-D shapes.

Cone	Sphere	Cube	Pyramid	Cylinder	Rectangular prism

Some of the 3-D shapes in this maze have the wrong labels.
Find your way through the maze by following only the 3-D
shapes with the correct labels.

Start

Cone

Cylinder

Sphere

Cube

Cylinder

Rectangular prism

Cone

Cylinder

Cylinder

Sphere

Cube

Pyramid

Rectangular prism

Cone

Cone

Sphere

Pyramid

Cube

Cone

Pyramid

Cube

Cylinder

Sphere

Cube

Pyramid
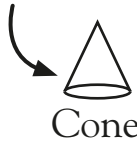
Cone

Cube
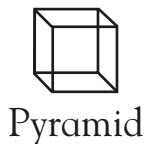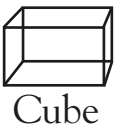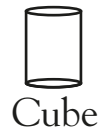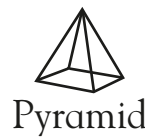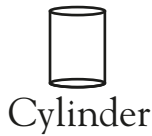
End

Learn to identify 3-D shapes in the world around you.

Fill in the correct missing word at the end of each of these stories. **Hint:** Look at the 3-D shapes on page 42 to help you.

Jan takes a walk with her sister Liz. They see a baseball in a yard. Jan says, "That baseball is shaped like a _____."
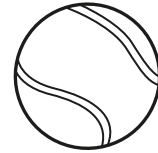
Dad is making lunch for Sara. He opens a can of soup. Sara says that the can has the shape of a _____.

Todd's little brother is playing with his alphabet blocks. The faces on the blocks are square. Todd knows that the blocks have the shape of _____.
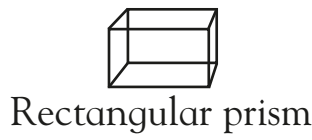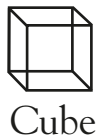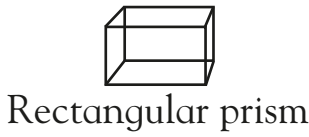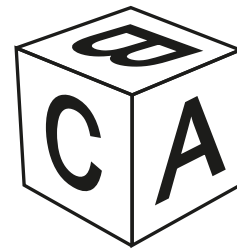
Jim and his mother go to the grocery store. He sees some of his favorite juice boxes on the shelves. They are shaped like _____.

Sam goes to a birthday party. He wears a tall party hat with a round opening at the bottom and a pointed top. His friend Chi says, "Your hat has the shape of a _____."
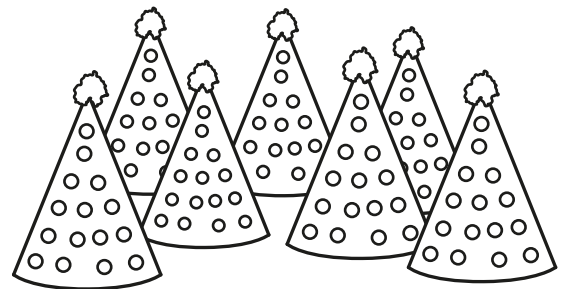
★ Picture Graphs

Learn to use a picture graph to find information.

A class of first grade children were offered fruit after lunch. They had a choice of a banana, an apple, a pear, or an orange. The picture graph below shows how many children ate each type of fruit.

Fruit Children Ate   ☺ = 1 child

Type of Fruit	Number of Children
Banana	☺ ☺ ☺ ☺ ☺
Apple	☺ ☺ ☺ ☺
Pear	☺ ☺ ☺
Orange	☺ ☺ ☺

Use the information on the picture graph to answer these questions.

Which type of fruit did most of the children choose? ....

How many children ate a banana? ⬚ children

How many children ate an apple? ⬚ children

How many more children had a banana than had an orange? ⬚ children

How many children altogether ate fruit after their lunch? ⬚ children

$×÷%＝$+?−×÷%＝$?+−%×÷＝$+?−×÷%

Learn how to show information on a picture graph.

In a school survey, a class of first graders voted for their favorite pizza. Four children voted for cheese pizza. One child chose mushroom pizza. Three chose pepperoni pizza and two chose sausage pizza. Complete the picture graph below to show how many children voted for each type of pizza. Give your graph a title.

....

☺ = 1 child
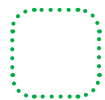
Type of Pizza	Number of Children

Use your picture graph to help you answer these questions.

Which type of pizza was the least popular?   ....

Which type of pizza did most children choose?   ....

How many types of pizza does the graph show?   ☐

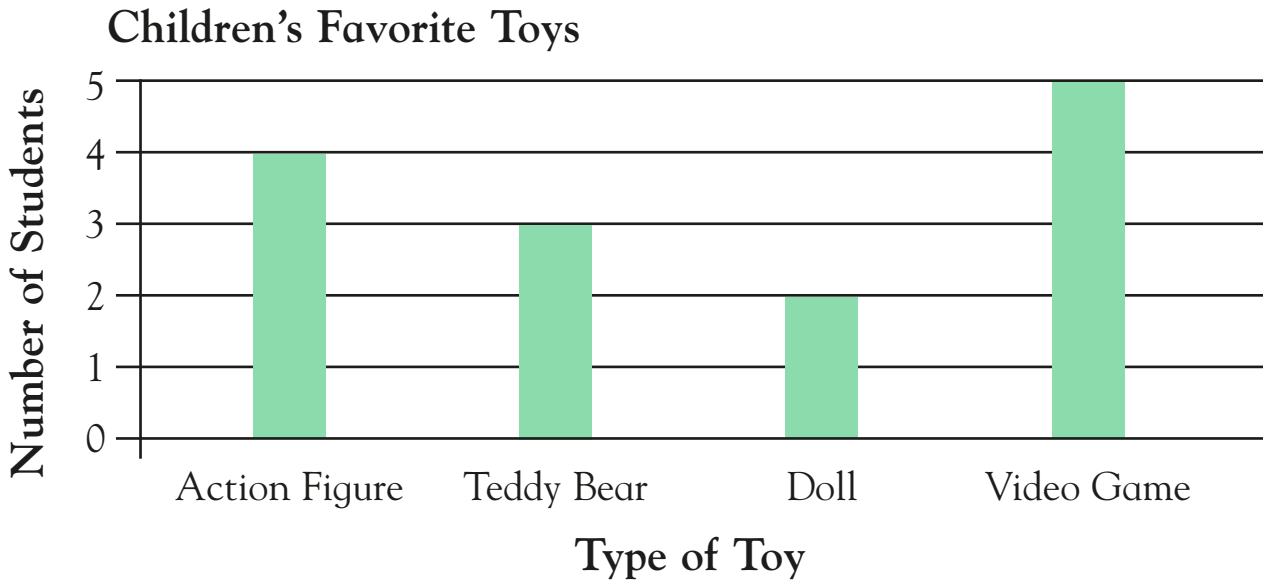How many more children chose cheese pizza than chose mushroom pizza?   ☐ children

★ Bar Graphs

Learn to find information by looking at a bar graph.

A teacher asked her students to tell her their favorite toy.
She then made a bar graph to show the results.

Children's Favorite Toys

Use the bar graph to answer these questions.

Which toy did most children like best? ....

What was the least favorite toy? ....

How many children said they liked teddy
bears the most?   ☐ children

How many children altogether chose
action figures and teddy bears?   ☐ children

How many more children chose video games
than chose dolls?   ☐ children

$\times \div \% = \$ + ? - \times \div \% = \$? + - \% \times \div = \$ + ? - \times \div \%$

Learn how to show information on a bar graph.

A group of children had fun blowing bubbles. They blew five large bubbles, six medium-sized bubbles, and seven small bubbles. Complete the bar graph below to show this information. Give the graph a title.

....

Number of Bubbles

7
6
5
4
3
2
1
0

Large   Medium   Small

Size of Bubbles
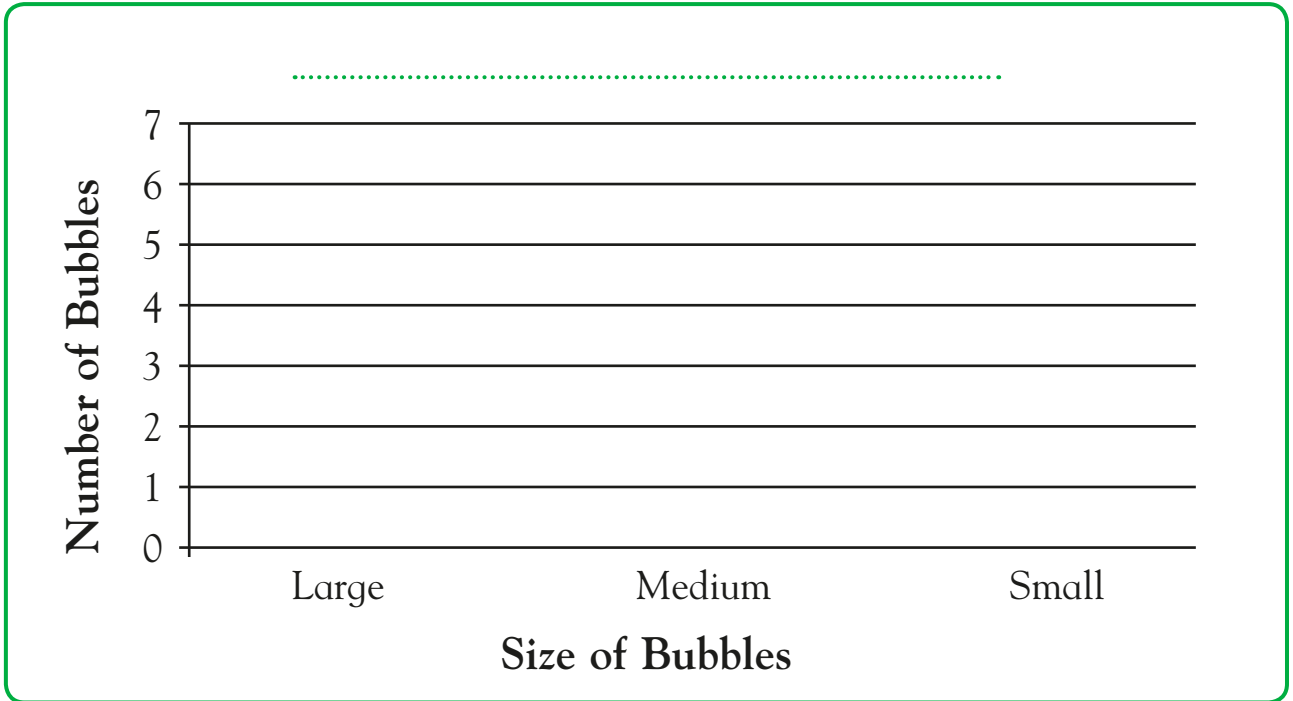
Use the graph to answer these questions.

How many bubbles did the children blow altogether?   bubbles

How many more small bubbles were there
than large bubbles?   bubbles

How many medium-sized and large
bubbles were there altogether?   bubbles

Which bubble size were there most of?   ....