

K Math Readiness

Kindergarten

READY TO LEARN™

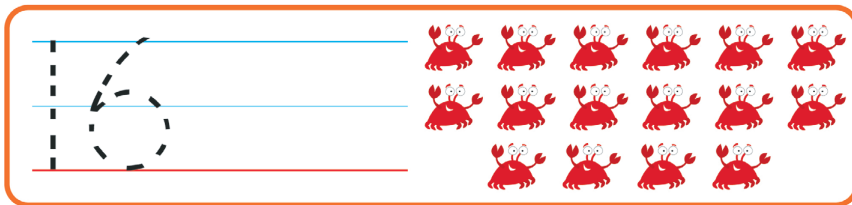
The
Canadian
Curriculum
Series

Math

Understanding Numbers 11-20

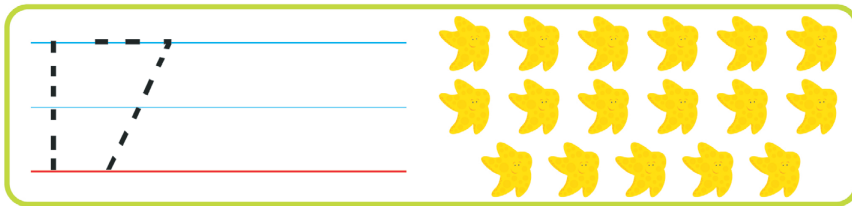
Count the pictures. Then trace the numbers with your finger and practise writing the numbers with a pencil on the lines below.

16



A tracing guide for the number 16 is shown on a three-line grid. To the right, there are 16 red crabs arranged in three rows: 6 in the top row, 6 in the middle row, and 4 in the bottom row.

17



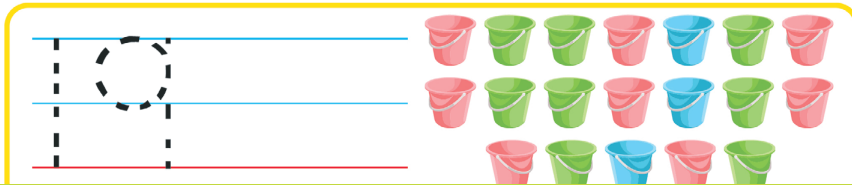
A tracing guide for the number 17 is shown on a three-line grid. To the right, there are 17 yellow stars arranged in three rows: 6 in the top row, 6 in the middle row, and 5 in the bottom row.

18



A tracing guide for the number 18 is shown on a three-line grid. To the right, there are 18 colorful shells arranged in three rows of 6 shells each.

19



A tracing guide for the number 19 is shown on a three-line grid. To the right, there are 19 colorful buckets arranged in three rows: 6 in the top row, 6 in the middle row, and 7 in the bottom row.

- Introduces addition and subtraction
- Develops pattern recognition
- Develops counting skills up to 20



K Math Readiness

Kindergarten

READY TO LEARN™



The
Canadian
Curriculum
Series

Math

Table of Contents

Kindergarten Math Readiness	2
Understanding Numbers Game	3
Understanding Numbers 1–5	4
Counting Numbers 1–5	14
Understanding Numbers 6–10	16
Counting Numbers 6–10	26
Understanding Numbers 11–20	28
Adding Numbers 1–10	32
Subtracting Numbers 1–10	38
Shapes	42
Patterns	46
Understanding Measurement	50
Understanding Time	54
Sorting and Categorizing	56
Summary of Concepts	62
Certificate of Achievement	64

Kindergarten Math Readiness

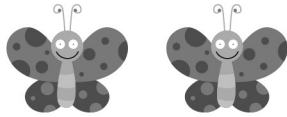
Research shows that certain kinds of parent-child interactions in a child's early years, commonly referred to as "number talk," can be a primary driver of mathematical ability through grade five. Follow the directions for the games and activities throughout this book and watch your child grow!

Vocabulary Builder

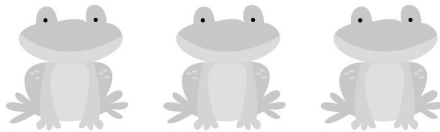
one



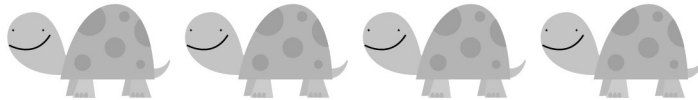
two



three



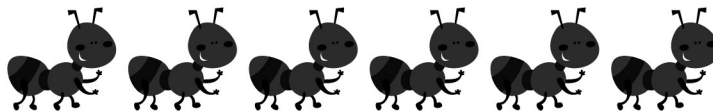
four



five



six



seven



eight



nine



ten



Understanding Numbers Game

Make your way from the car to the campground. Count to 20 along the way. Make sure to point to each number as you say it!

The maze contains the following numbers in its various sections:

- Top row: 4, 5, 6, 7
- Second row: 15, 14, 13, 8
- Third row: 6, 9, 10, 10
- Fourth row: 7, 10, 11, 12
- Fifth row: 8, 9, 13
- Sixth row: 7, 11, 14
- Seventh row: 11, 14, 13, 12, 15
- Eighth row: 10, 15, 15, 14, 16
- Ninth row: 20, 16, 16, 17, 17, 20
- Tenth row: 19, 18, 17, 18, 19

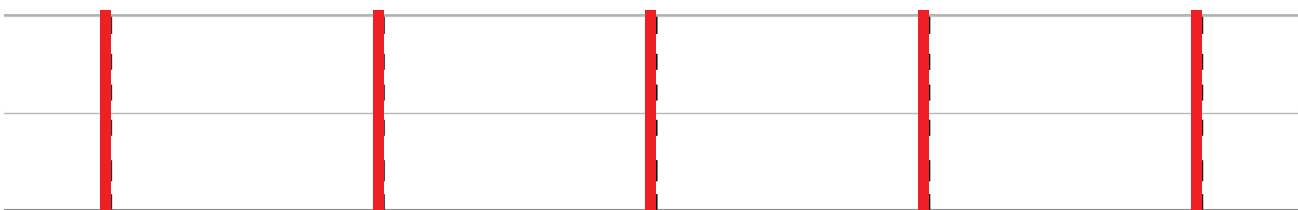
The path starts at the car (1) and ends at the tent (20). The path is marked with a red line.

Understanding Numbers 1-5

Trace the number one and the word one with your finger. Then practise writing the number and the word on the lines below.



one

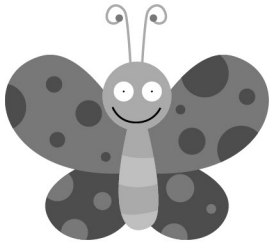


one one one

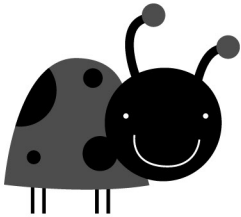
one one one

Understanding Numbers 1-5

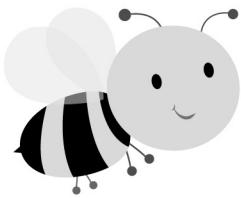
Count the insects and write the number on the lines below.



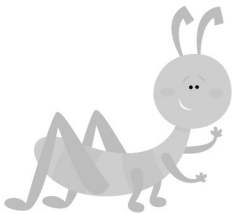
1 one



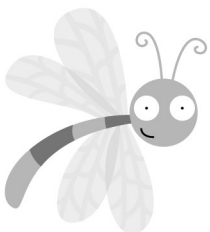
1 one



1 one



1 one

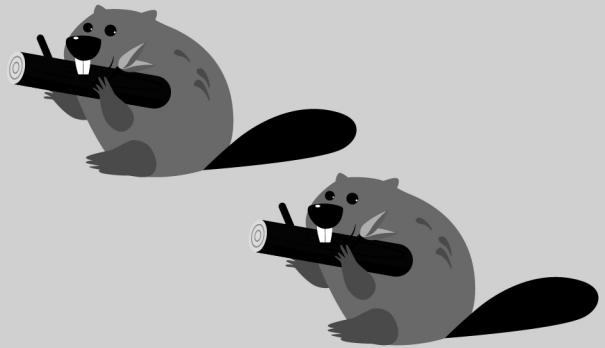


1 one

Understanding Numbers 1-5

Trace the number two and the word two with your finger. Then practise writing the number and the word on the lines below.

2 two



2 2 2 2 2

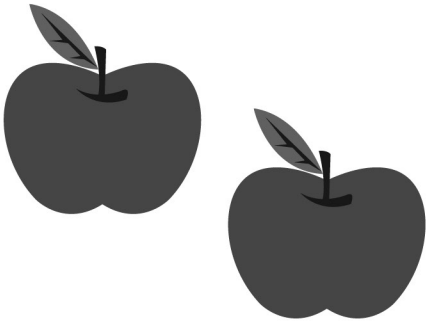
2 2 2 2 2

two two two

two two two

Understanding Numbers 1-5

Practise writing the number two on the lines below.



2 two

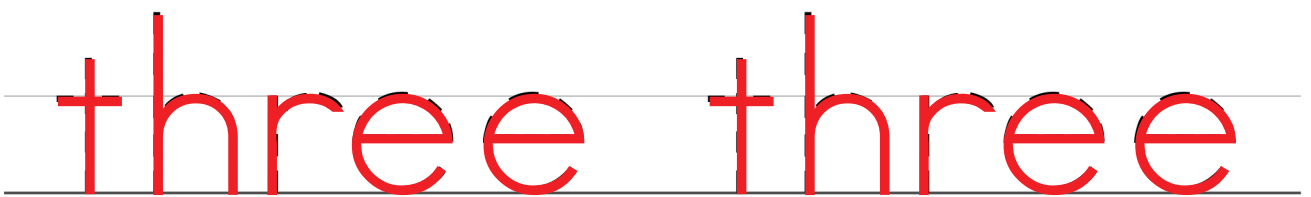
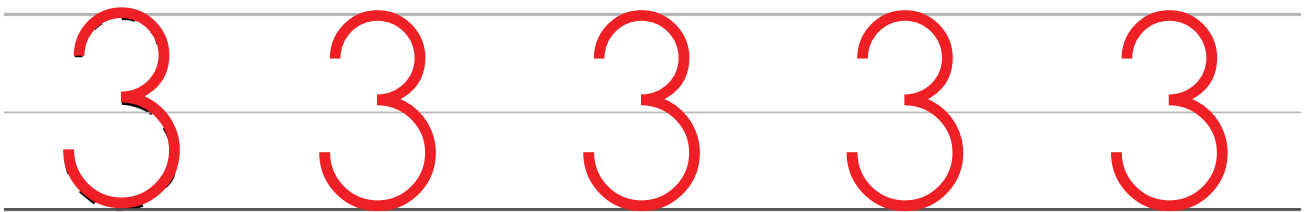
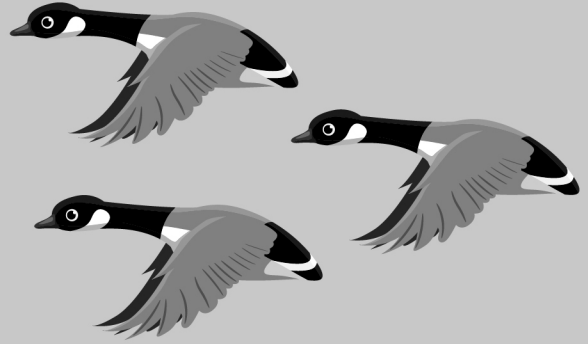
Circle the set of two apples below.



Understanding Numbers 1-5

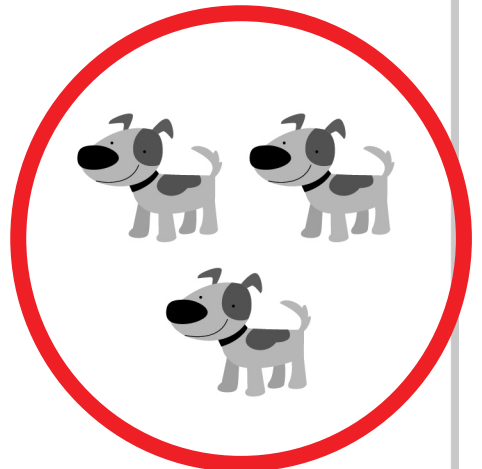
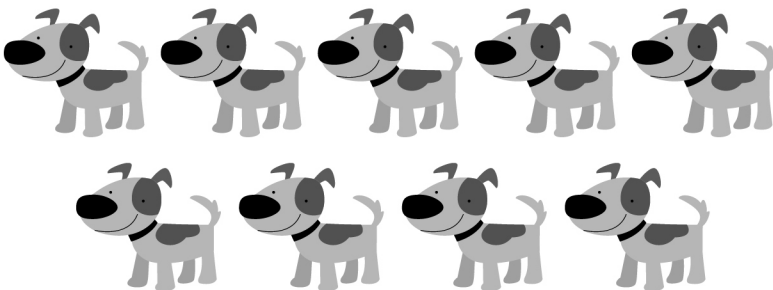
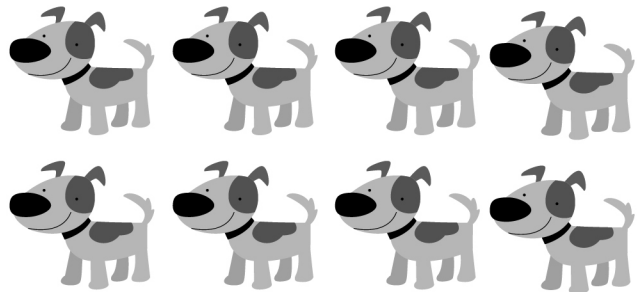
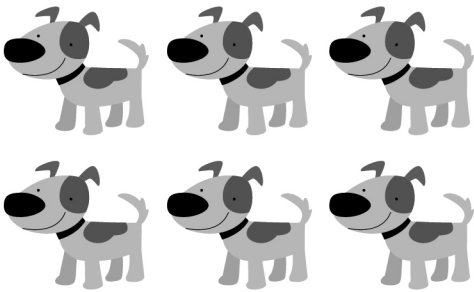
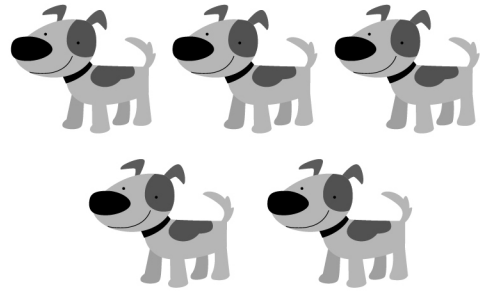
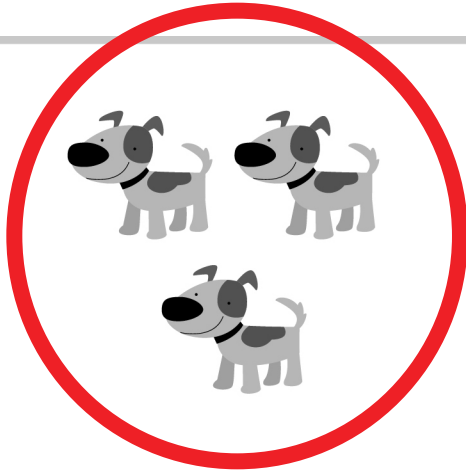
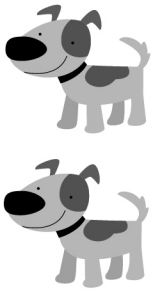
Trace the number three and the word three with your finger. Then practise writing the number and the word on the lines below.

3 three



Understanding Numbers 1-5

Circle each group of three dogs. Practise writing the number three on the lines below.

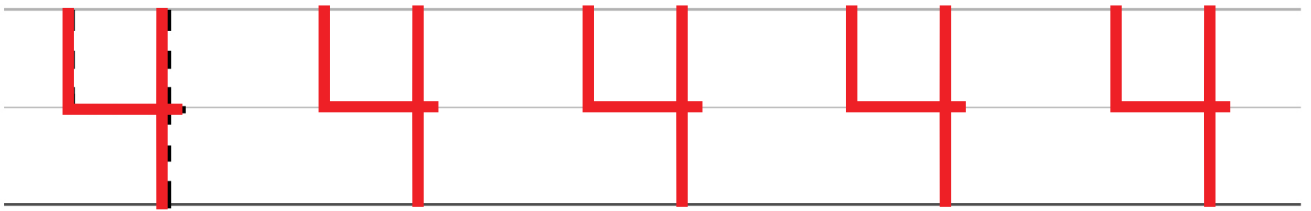
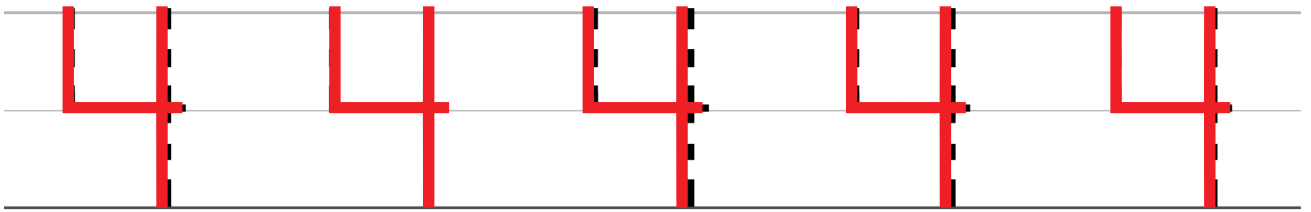
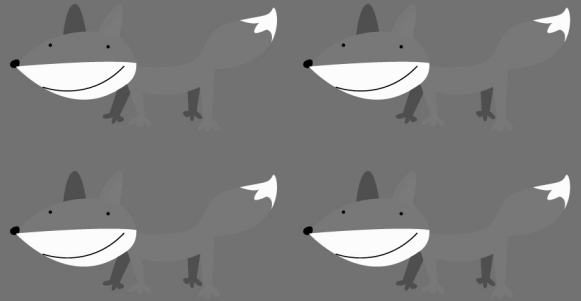


3 3 3 3 3

Understanding Numbers 1-5

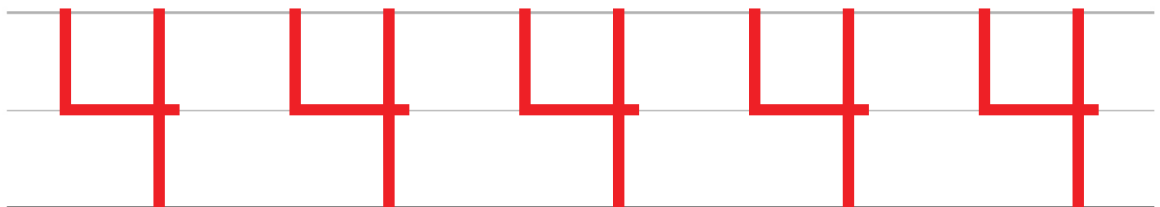
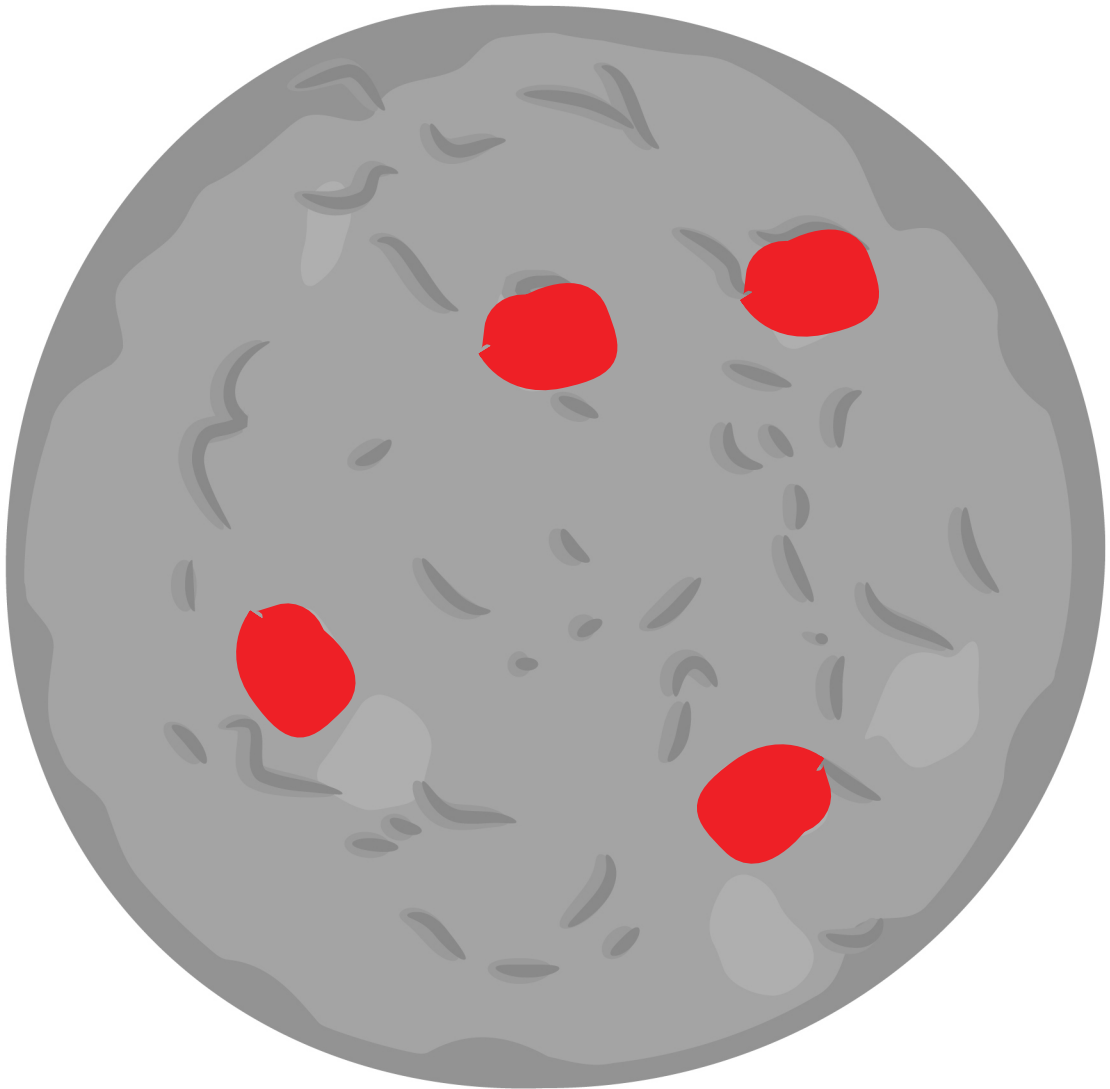
Trace the number four and the word four with your finger. Then practise writing the number and the word on the lines below.

4 four



Understanding Numbers 1-5

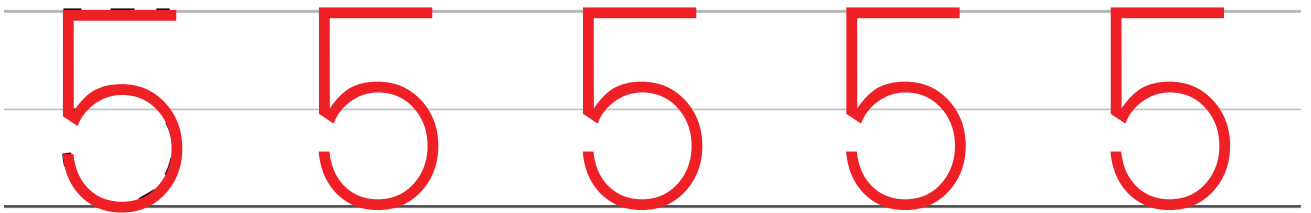
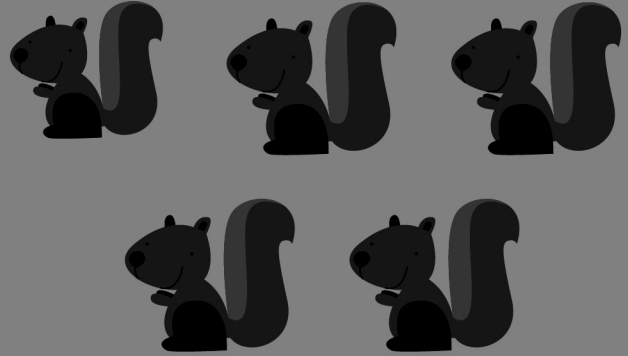
Where are the chocolate chips? Draw four chocolate chips on the cookie. Practise writing the number four on the lines below.



Understanding Numbers 1-5

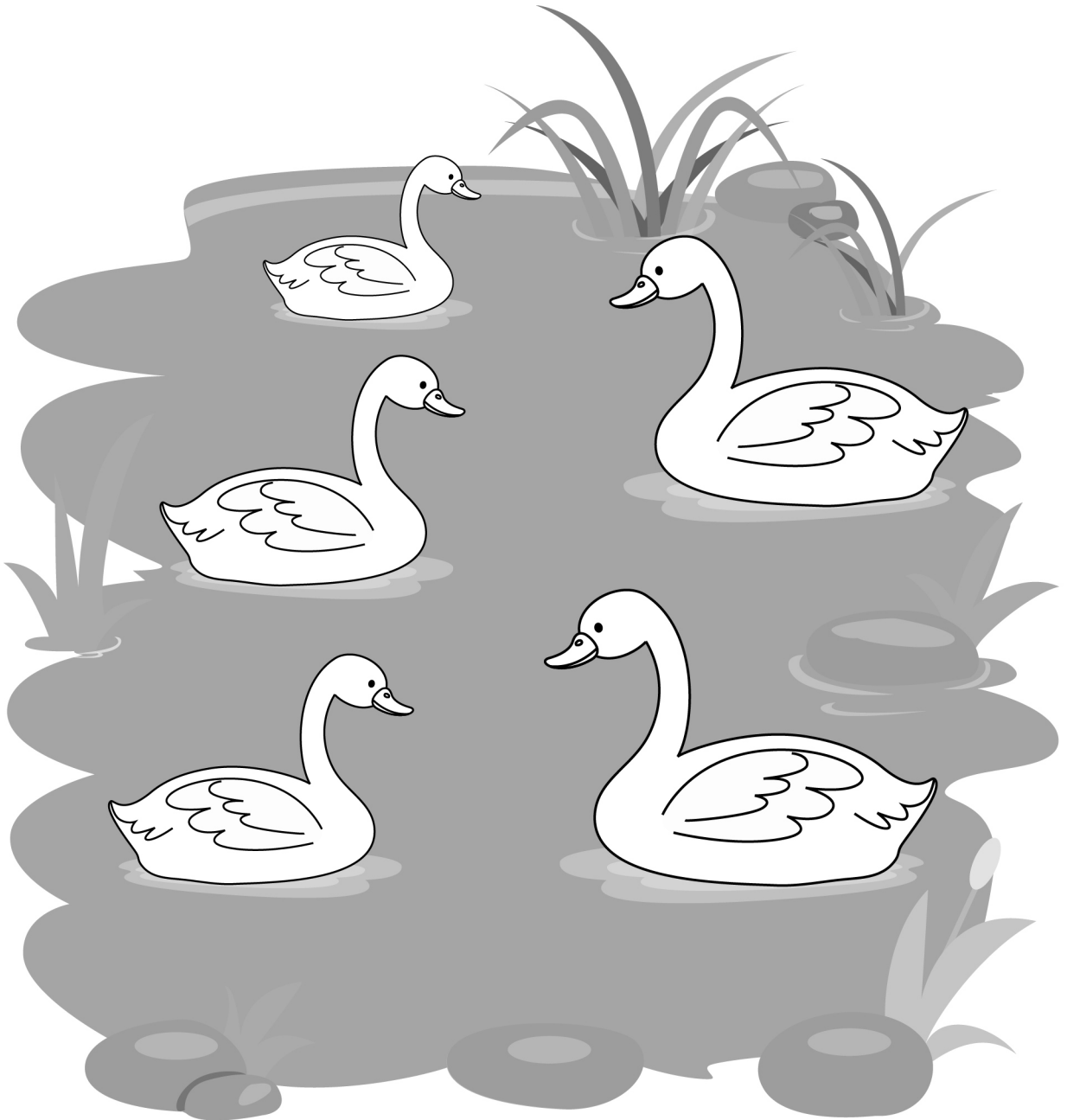
Trace the number five and the word five with your finger. Then practise writing the number and the word on the lines below.

5 five



Understanding Numbers 1-5

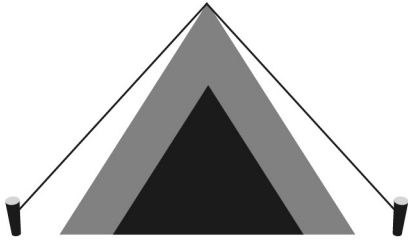
How many ducks are in the pond? Count the ducks. Then colour the ducks and write the number on the lines below.



5 5 5 5 5

Counting Numbers 1-5

Count the objects and write the number on the lines below.



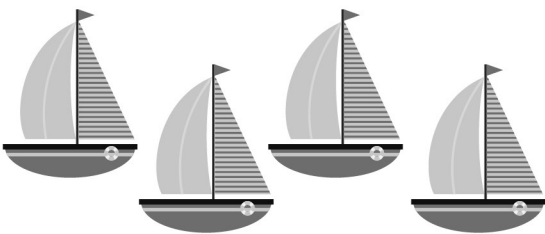
1 one



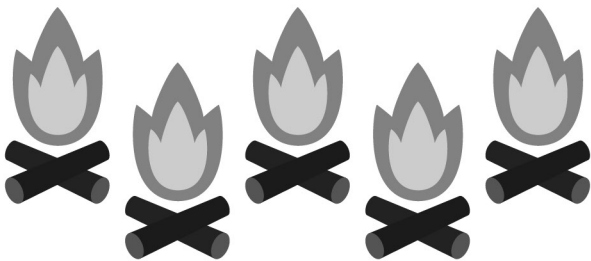
2 two



3 three



4 four



5 five

Counting Numbers 1-5

Trace the numbers below. Then draw a line from the number to the matching set of objects.

5

3

2

4

1

Beaver with log

2 Fish

4 Logs on sticks

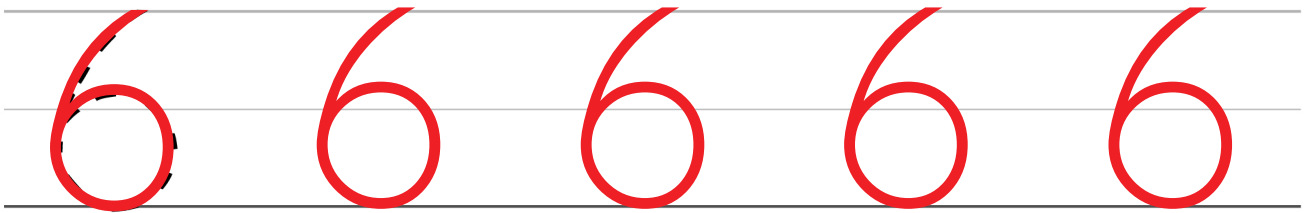
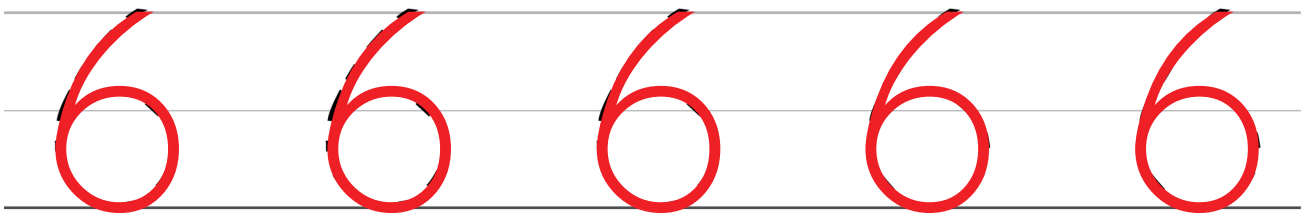
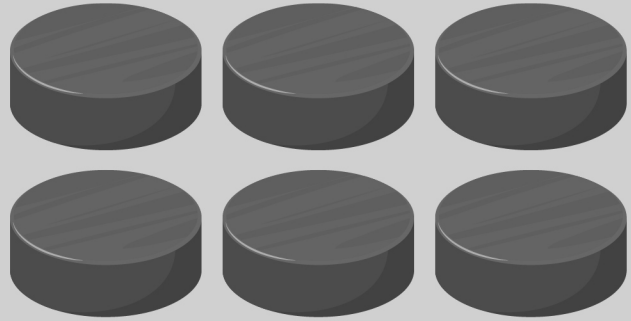
3 Chicks

5 Flowers

Understanding Numbers 6-10

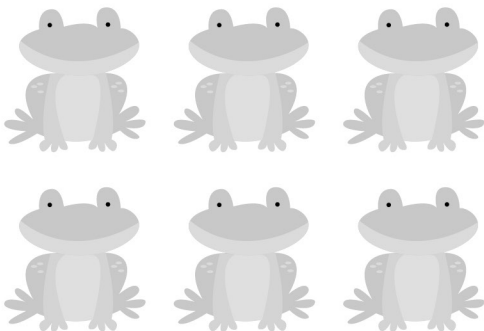
Trace the number six and the word six with your finger. Then practise writing the number and the word on the lines below.

6 six

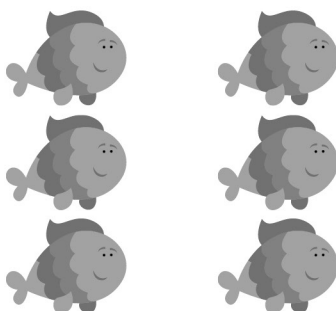


Understanding Numbers 6-10

Count the animals and write the number on the lines below.



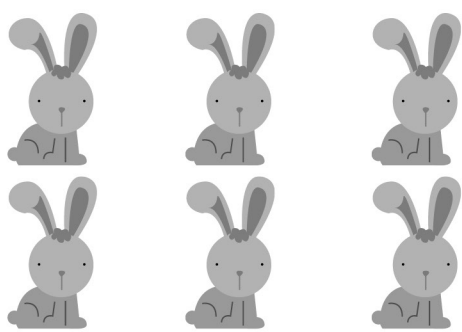
6 six



6 six



6 six



6 six

Understanding Numbers 6-10

Trace the number seven and the word seven with your finger. Then practise writing the number and the word on the lines below.

7

seven



seven seven

seven seven

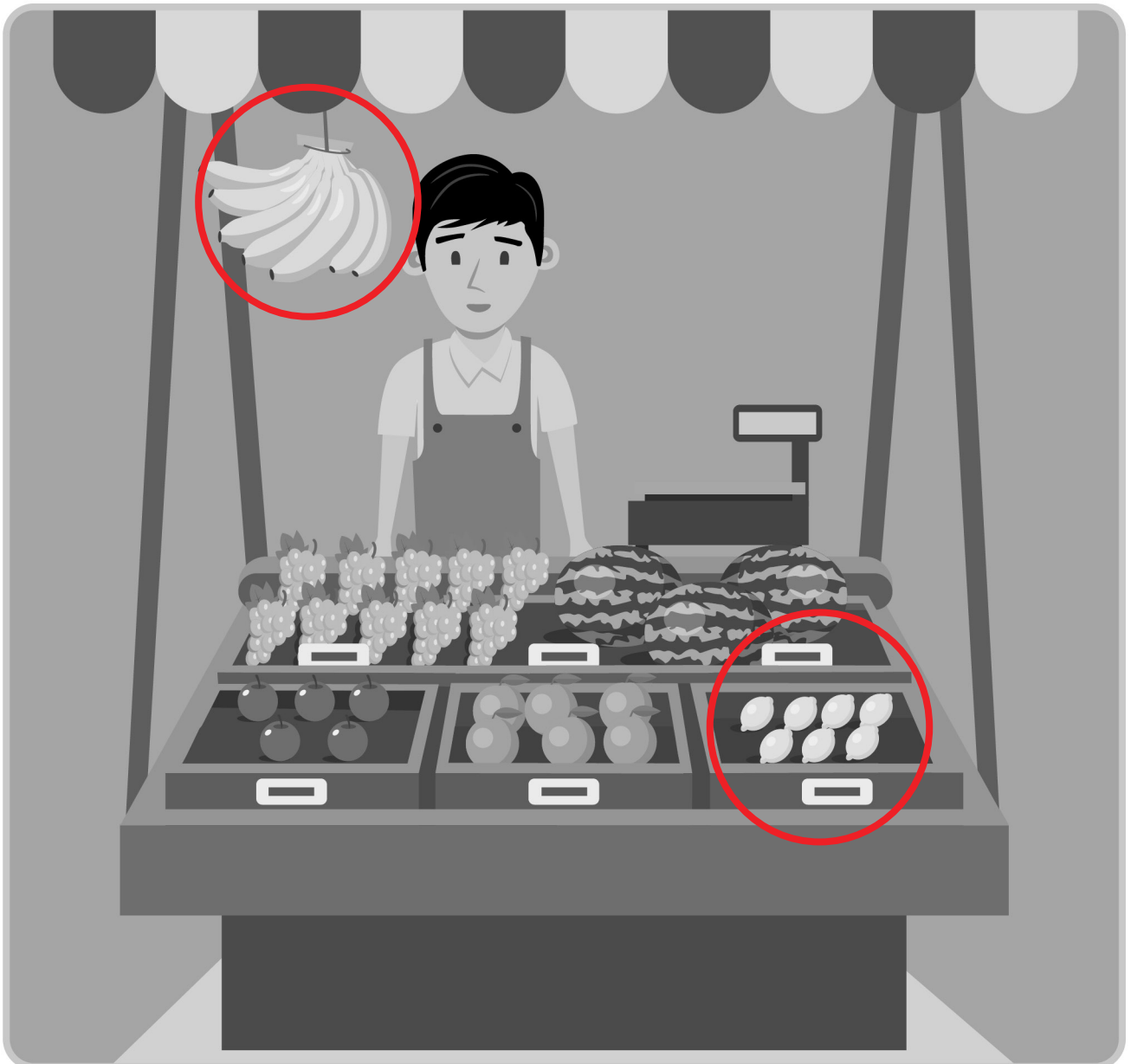
Understanding Numbers 6-10

Practise writing the number seven on the lines below.



7 seven

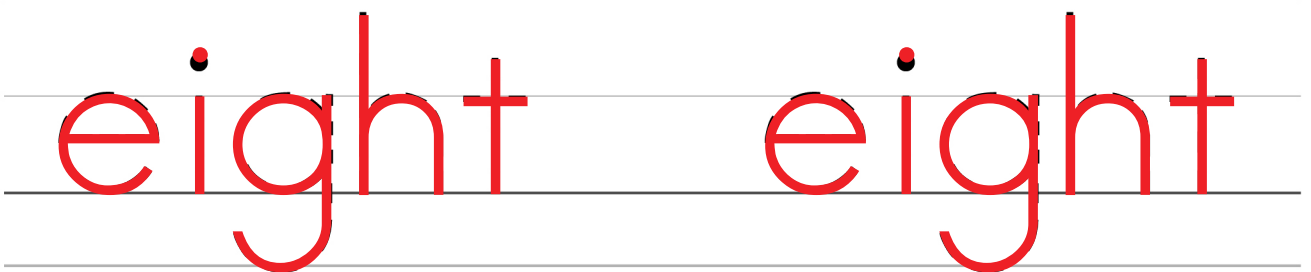
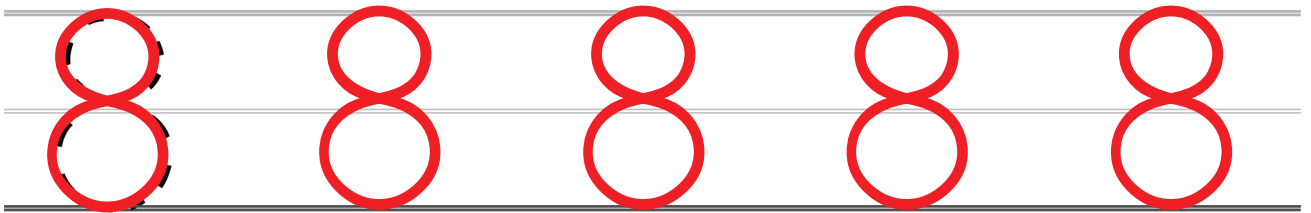
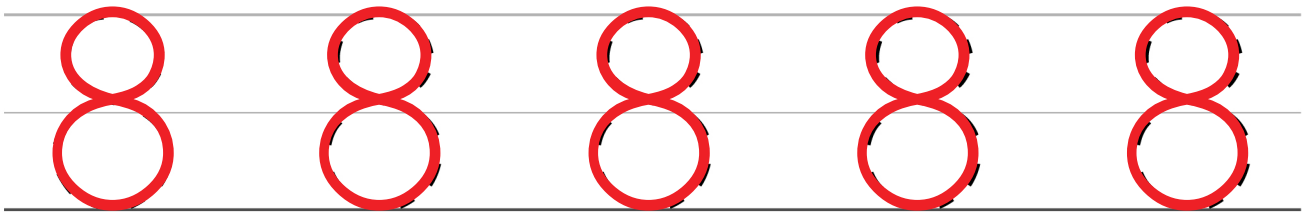
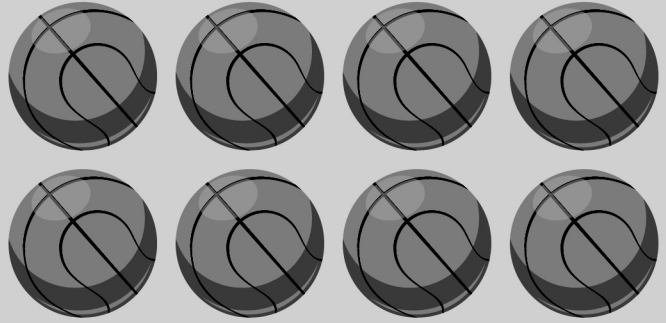
Circle each group of seven fruit below.



Understanding Numbers 6-10

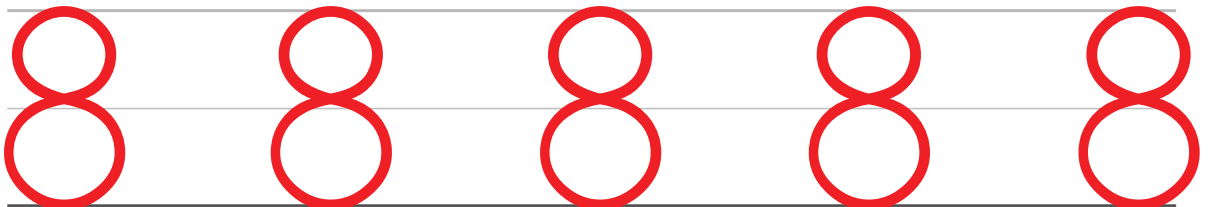
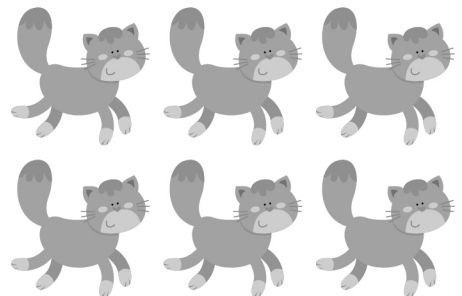
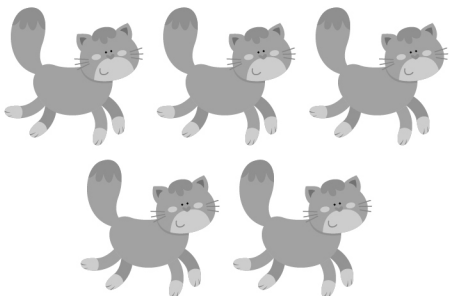
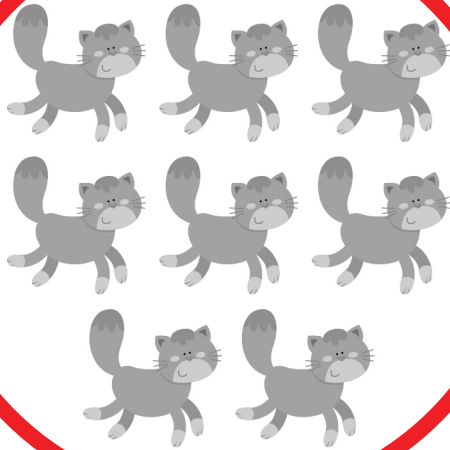
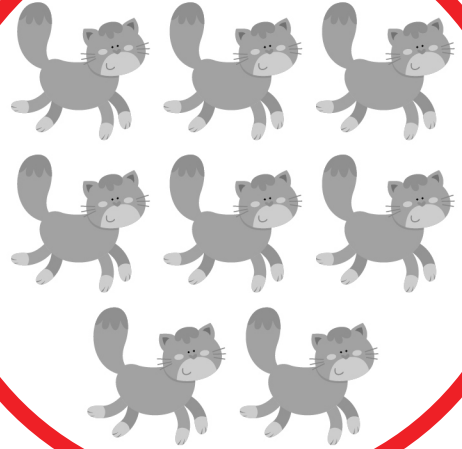
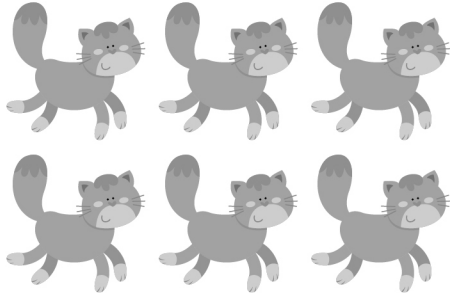
Trace the number eight and the word eight with your finger. Then practise writing the number and the word on the lines below.

8 eight



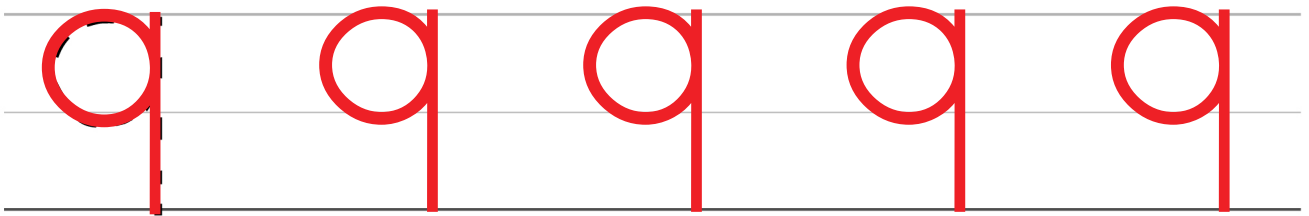
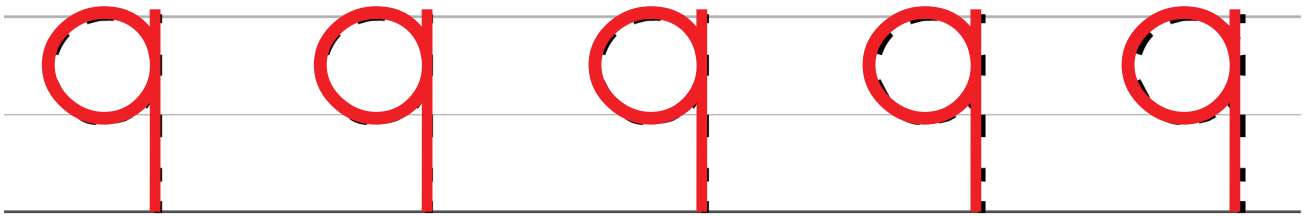
Understanding Numbers 6-10

Circle each group of eight cats. Practise writing the number eight on the lines below.



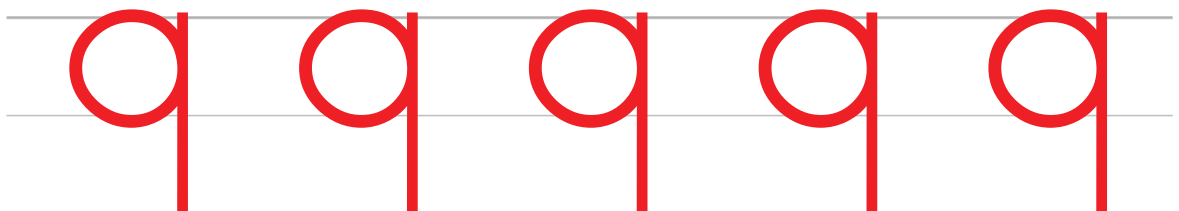
Understanding Numbers 6-10

Trace the number nine and the word nine with your finger. Then practise writing the number and word on the lines below.



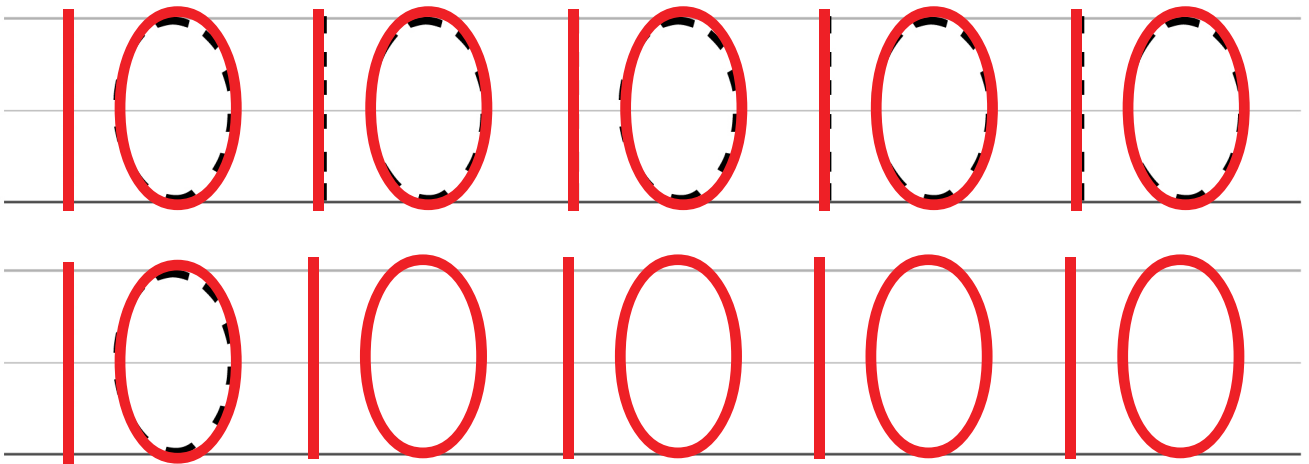
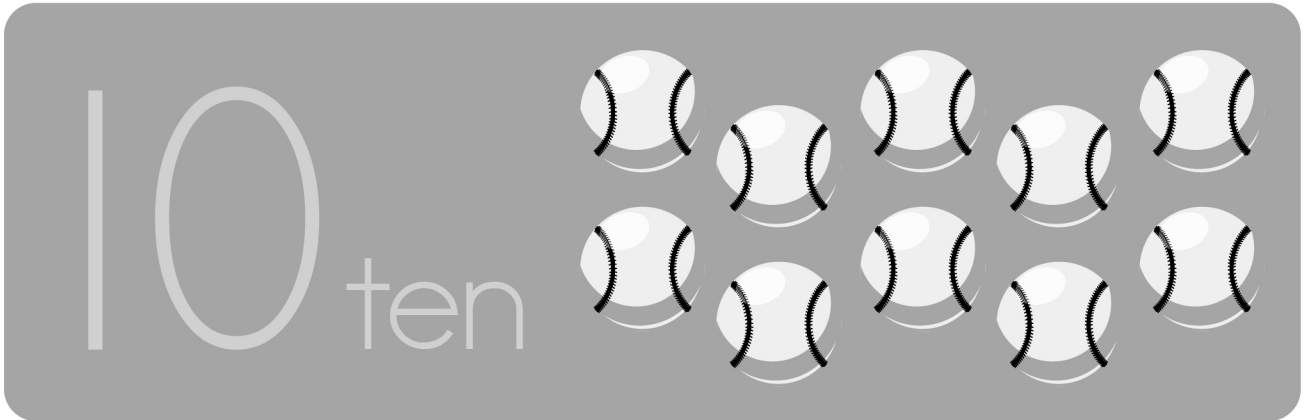
Understanding Numbers 6-10

Where are the balloons? Draw nine balloons on top of the strings. Practise writing the number nine on the lines below.



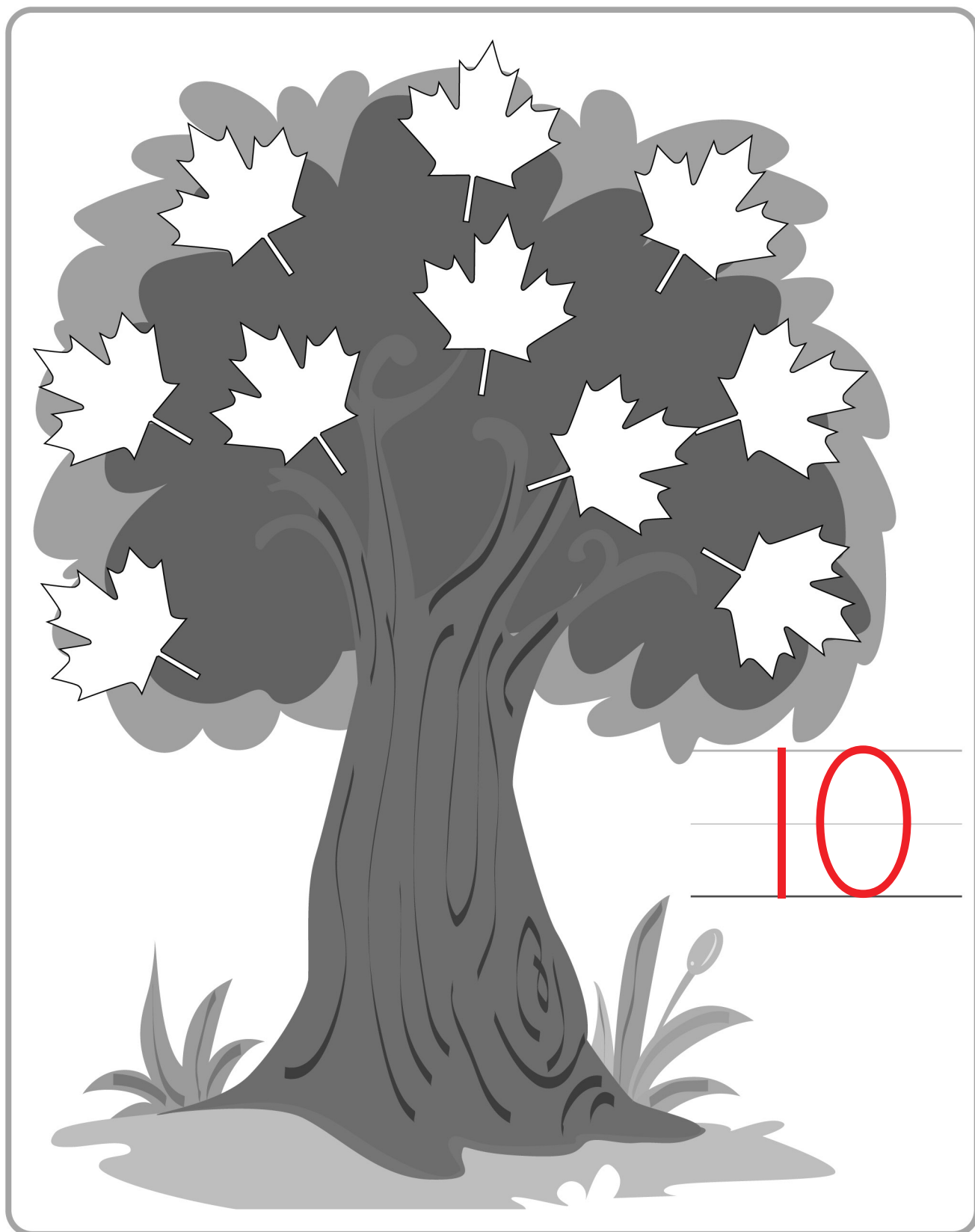
Understanding Numbers 6-10

Trace the number ten and the word ten with your finger. Then practise writing the number and the word on the lines below.



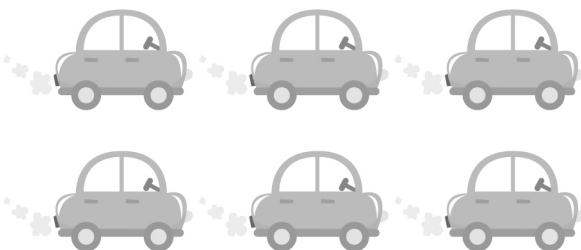
Understanding Numbers 6-10

How many leaves are on the tree? Count the leaves. Then colour the leaves and write the number on the lines below.

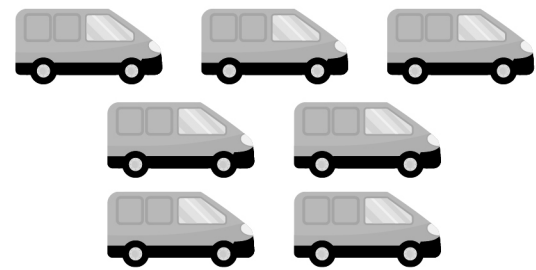


Counting Numbers 6-10

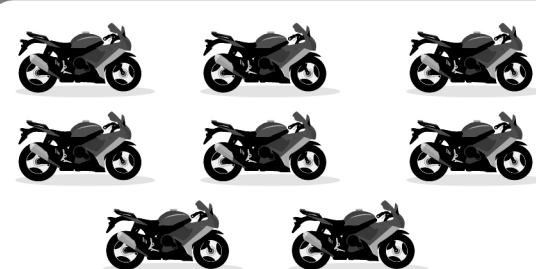
Count the vehicles and write the number on the lines below.



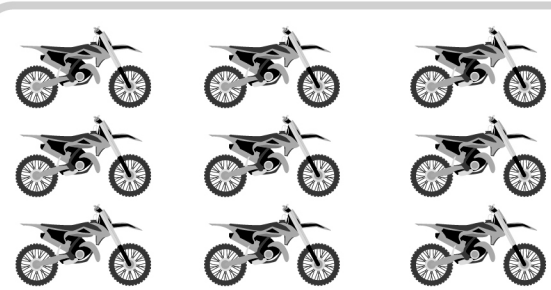
6 six



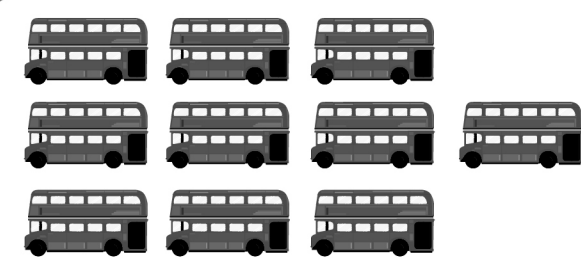
7 seven



8 eight



9 nine

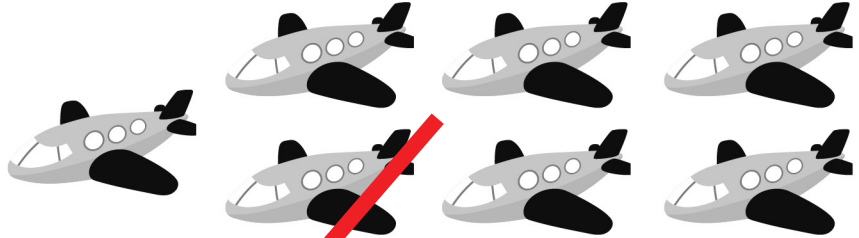


10 ten

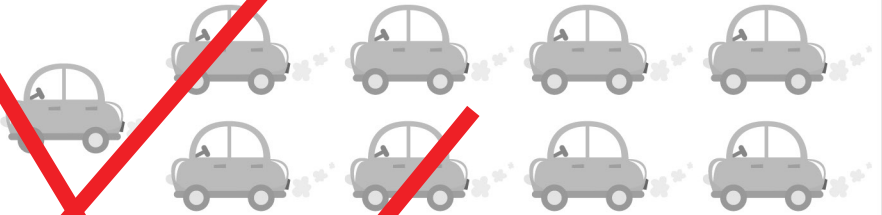
Counting Numbers 6-10

Trace the numbers below. Then draw a line from the number to the matching set of objects.

6



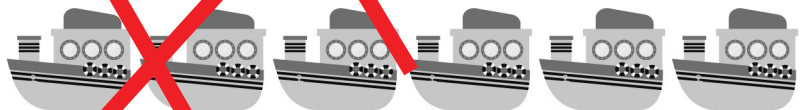
8



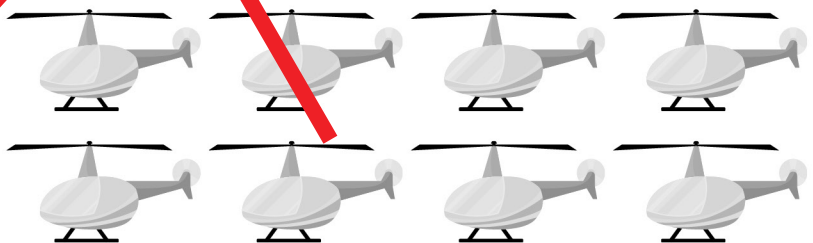
7



9



10



Understanding Numbers 11-20

Count the pictures. Then trace the numbers with your finger and practise writing the numbers with a pencil on the lines below.

Tracing practice for the number 1. On the left, there are four vertical red lines on a three-line grid. On the right, there are 11 cartoon carrots arranged in two rows: six in the top row and five in the bottom row.

Tracing practice for the number 2. On the left, there are two '2's on a three-line grid. The first '2' is solid red, and the second is dashed red. On the right, there are 12 cartoon tomatoes arranged in two rows of six.

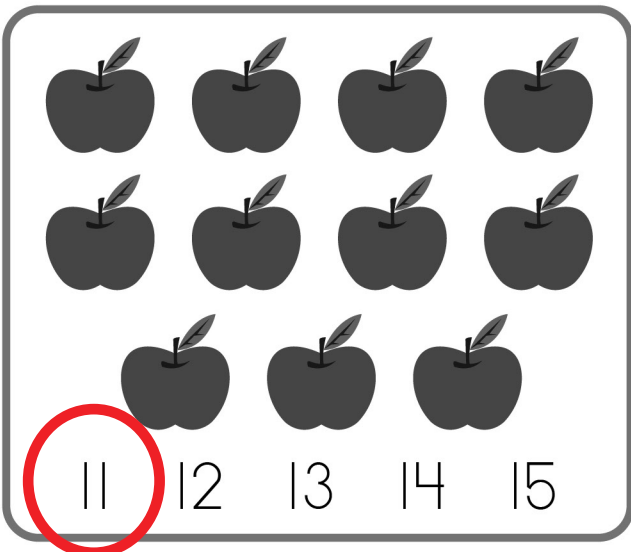
Tracing practice for the number 3. On the left, there are two '3's on a three-line grid. The first '3' is solid red, and the second is dashed red. On the right, there are 13 cartoon corn cobs arranged in two rows: seven in the top row and six in the bottom row.

Tracing practice for the number 4. On the left, there are two '4's on a three-line grid. The first '4' is solid red, and the second is dashed red. On the right, there are 14 cartoon beans arranged in two rows of seven.

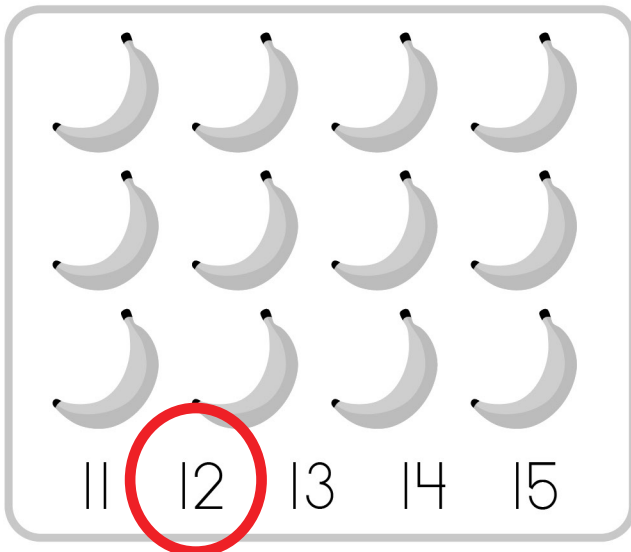
Tracing practice for the number 5. On the left, there are two '5's on a three-line grid. The first '5' is solid red, and the second is dashed red. On the right, there are 15 cartoon pumpkins arranged in three rows: six in the top row, six in the middle row, and three in the bottom row.

Understanding Numbers 11-20

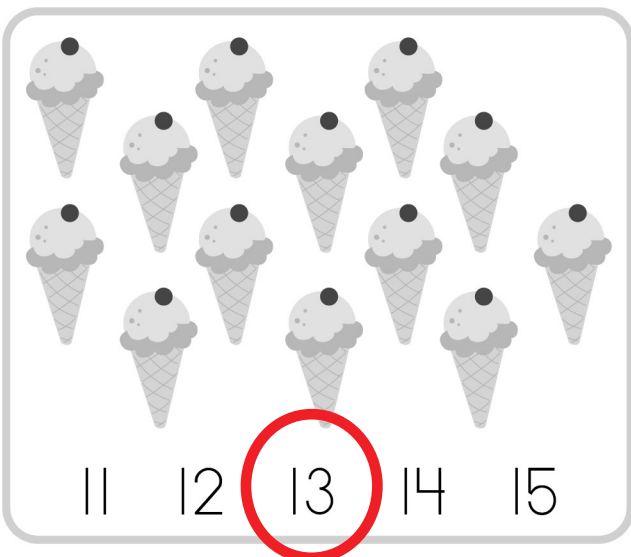
Count the pictures and circle the correct number below each group of pictures.



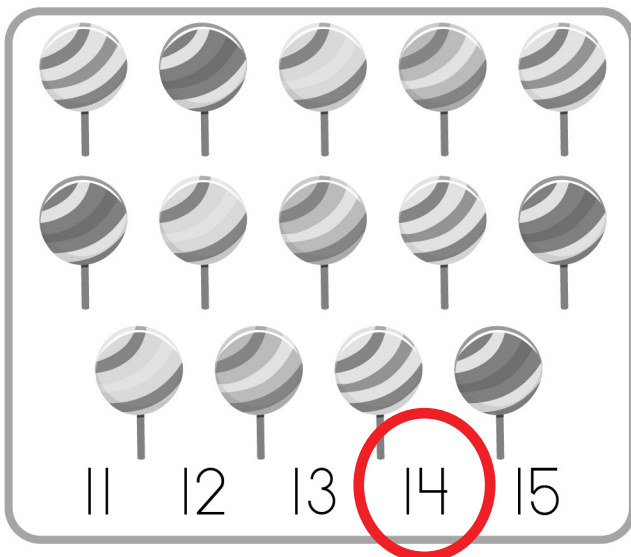
11 12 13 14 15



11 12 13 14 15



11 12 13 14 15



11 12 13 14 15



11 12 13 14 15

Understanding Numbers 11-20

Count the pictures. Then trace the numbers with your finger and practise writing the numbers with a pencil on the lines below.

16 16

17 17

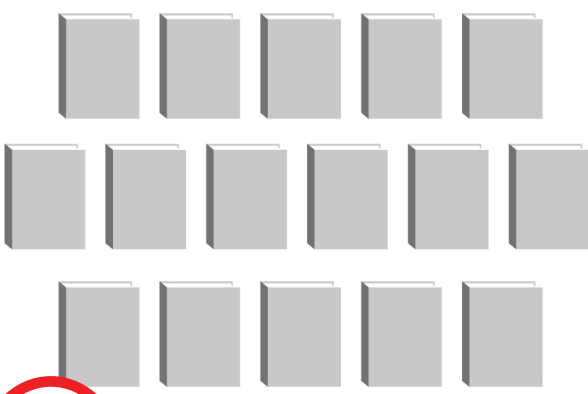
18 18

19 19

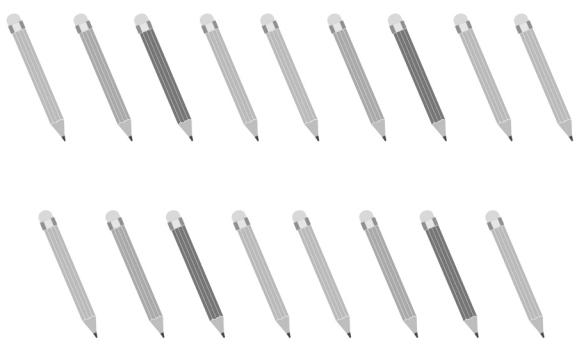
20 20

Understanding Numbers 11-20

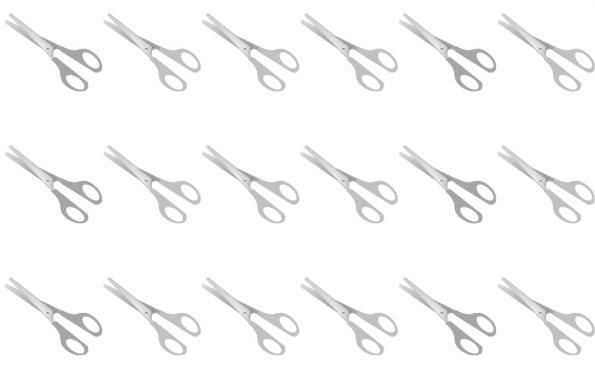
Count the pictures and circle the correct number below each group of pictures.



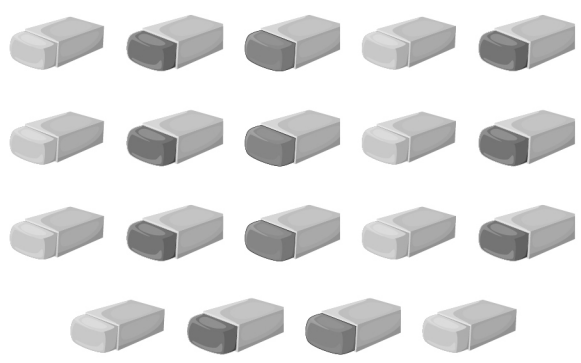
16 17 18 19 20



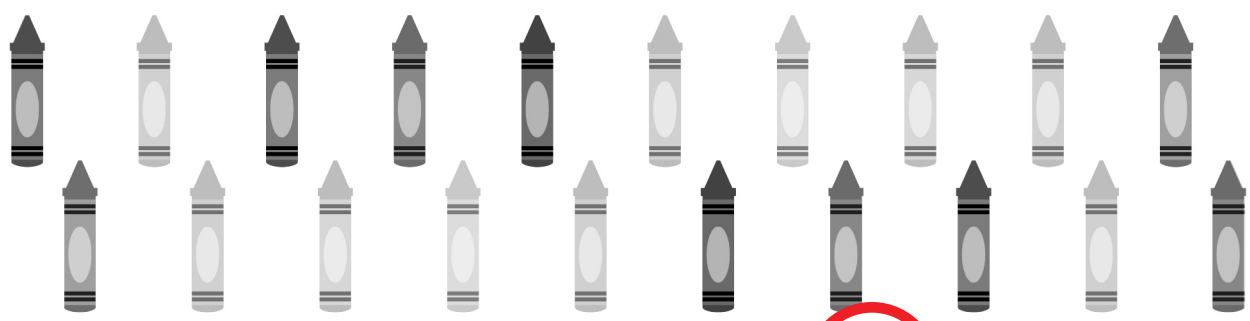
16 17 18 19 20



16 17 18 19 20



16 17 18 19 20



16 17 18 19 20

Adding Numbers 1-10

Adding and subtracting are skills that your child can learn using pictures or objects. Singing songs is another great way to learn these skills! Try singing "Five Little Monkeys Jumping on a Bed" to practise!

Vocabulary Builder

add

putting two numbers together

in all

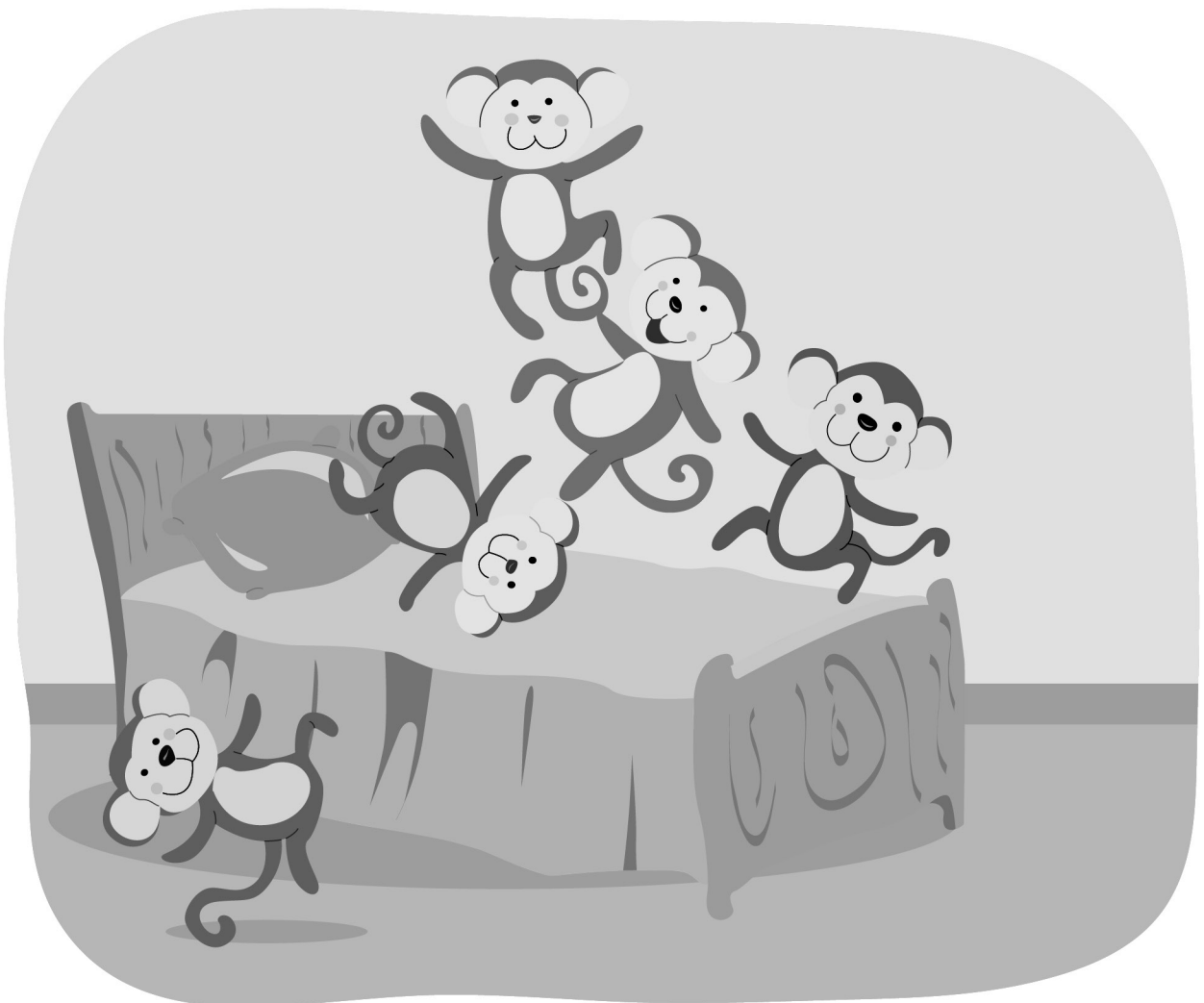
the total of all numbers put together

subtract

taking something away from a number

are left

the number left after you take something away



Adding Numbers 1-10

Point to and count how many kids are swinging and write the number on the lines below. Count how many kids are jumping rope and write the number on the lines below. How many kids are playing in all? Write the number on the lines below.



How many kids
are swinging?

2

How many kids
are jumping rope?

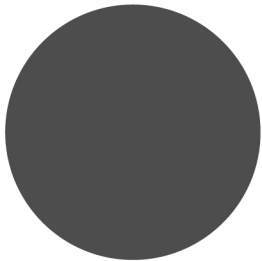
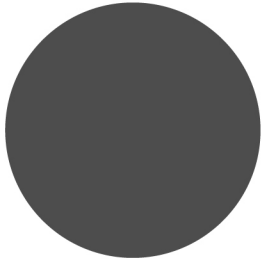
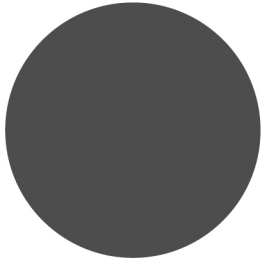
1

How many kids
are there in all?

3 kids

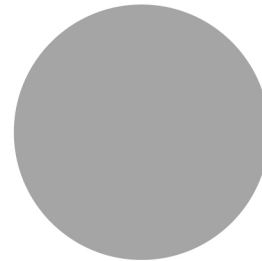
Adding Numbers 1-10

Point to and count the red dots and write the number on the lines below. Count the blue dots and write the number on the lines below. How many red and blue dots are there in all? Write the number on the lines below.



How many red dots are there?

3



How many blue dots are there?

1

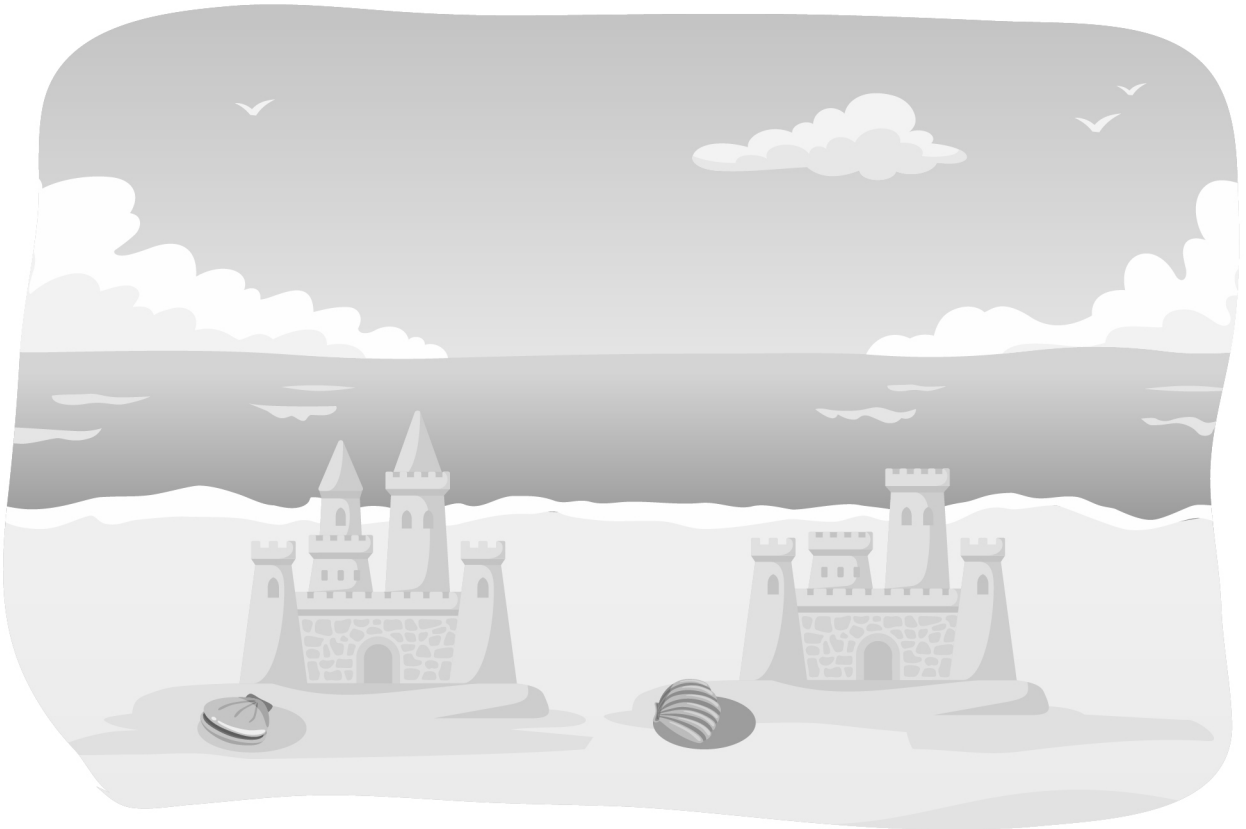
How many dots are there in all?

4

dots

Adding Numbers 1-10

Point to and count how many seashells are on the beach and write the number on the lines below. Count how many sandcastles there are and write the number on the lines below. How many seashells and sandcastles are there in all? Write the number on the lines below.



How many seashells
are there?

2

How many sandcastles
are there?

2

How many seashells
and sandcastles
are there in all?

4

seashells and
sandcastles

Adding Numbers 1-10

Point to and count how many green blocks there are and write the number on the lines below. Count how many yellow blocks there are and write the number on the lines below. How many green and yellow blocks are there in all? Write the number on the lines below.



How many green blocks are there?

4



How many yellow blocks are there?

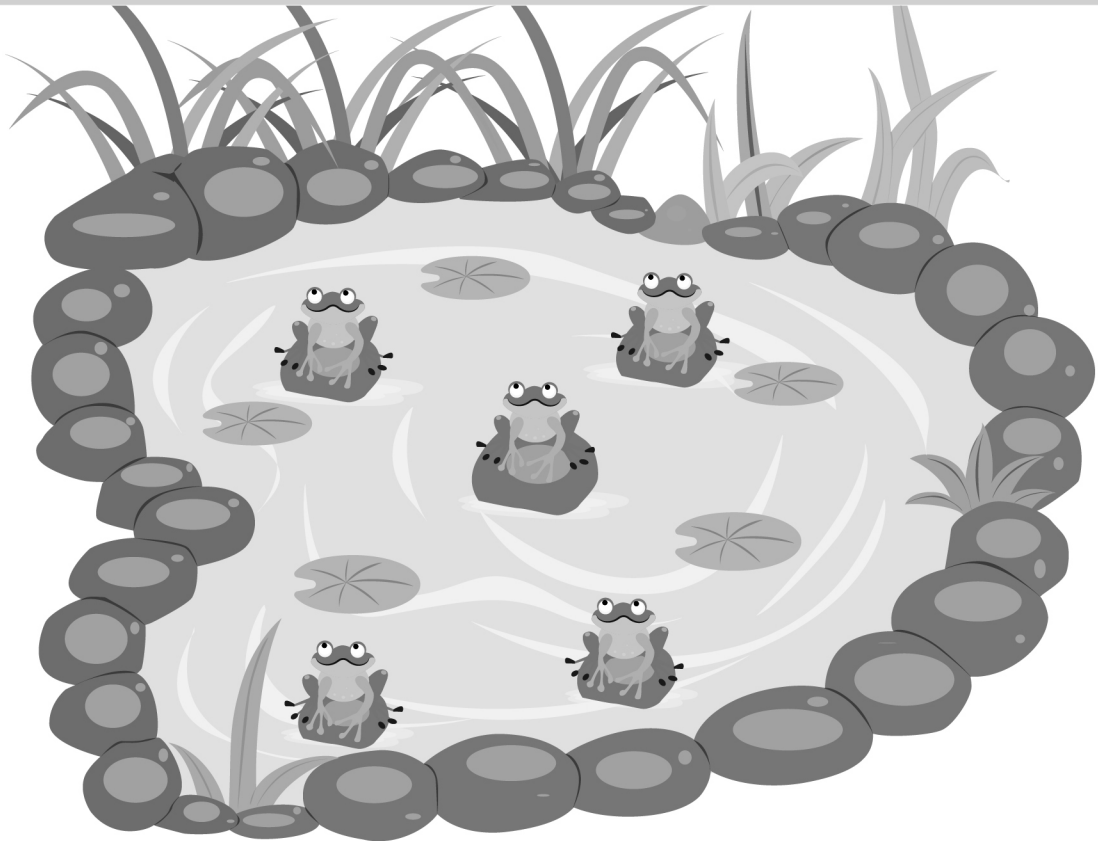
3

How many blocks are there in all?

7 blocks

Adding Numbers 1-10

Point to and count how many frogs there are and write the number on the lines below. Count how many lily pads there are and write the number on the lines below. How many frogs and lily pads are there in all? Write the number on the lines below.



How many frogs
are there?

5

How many lily pads
are there?

5

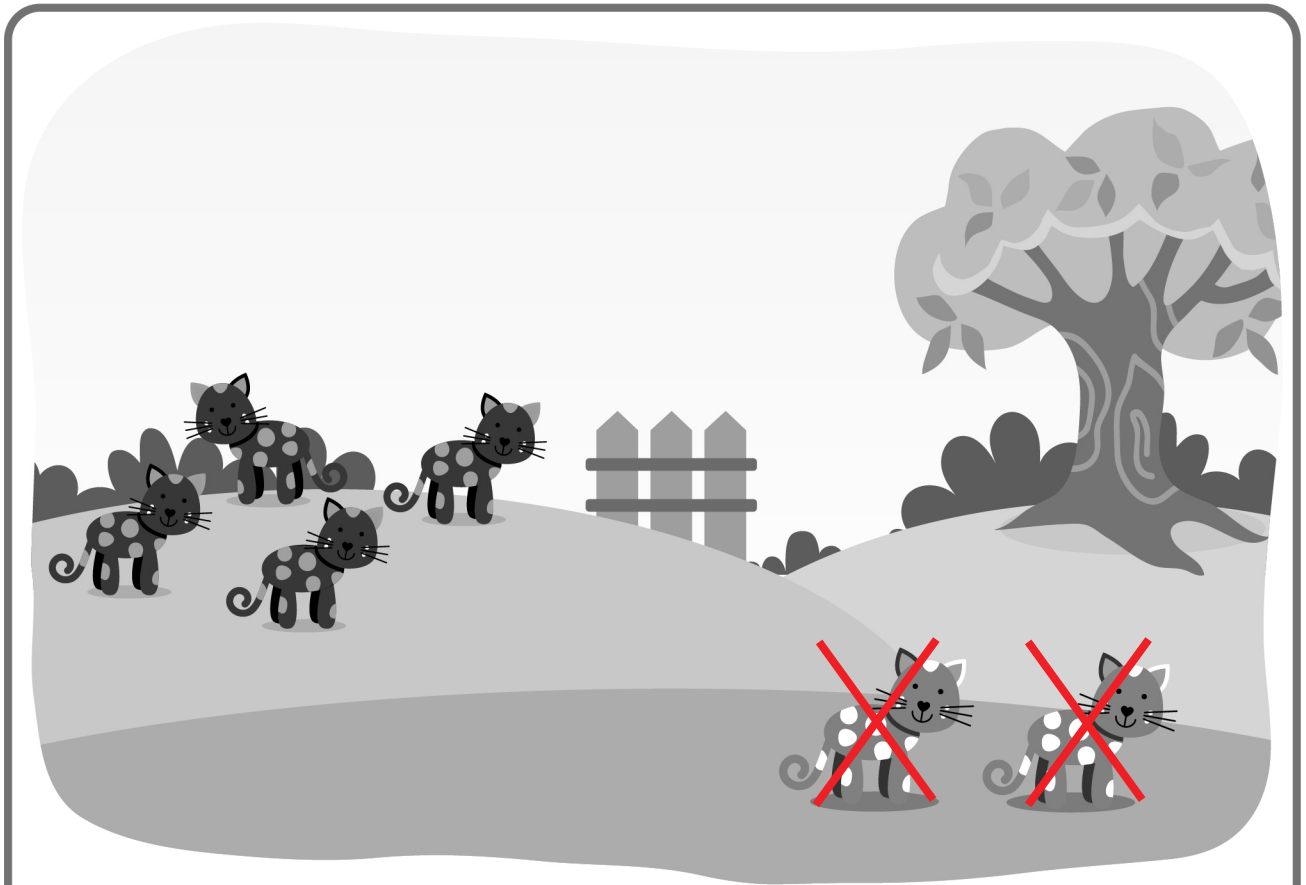
How many frogs
and lily pads
are there in all?

10

frogs and
lily pads

Subtracting Numbers 1-10

Point to and count the cats in the picture and write the number on the lines below. Cross out the grey cats. How many grey cats did you cross out? How many cats are left? Write the numbers on the lines below.



How many cats
are there in all?

6

How many grey cats
did you cross out?

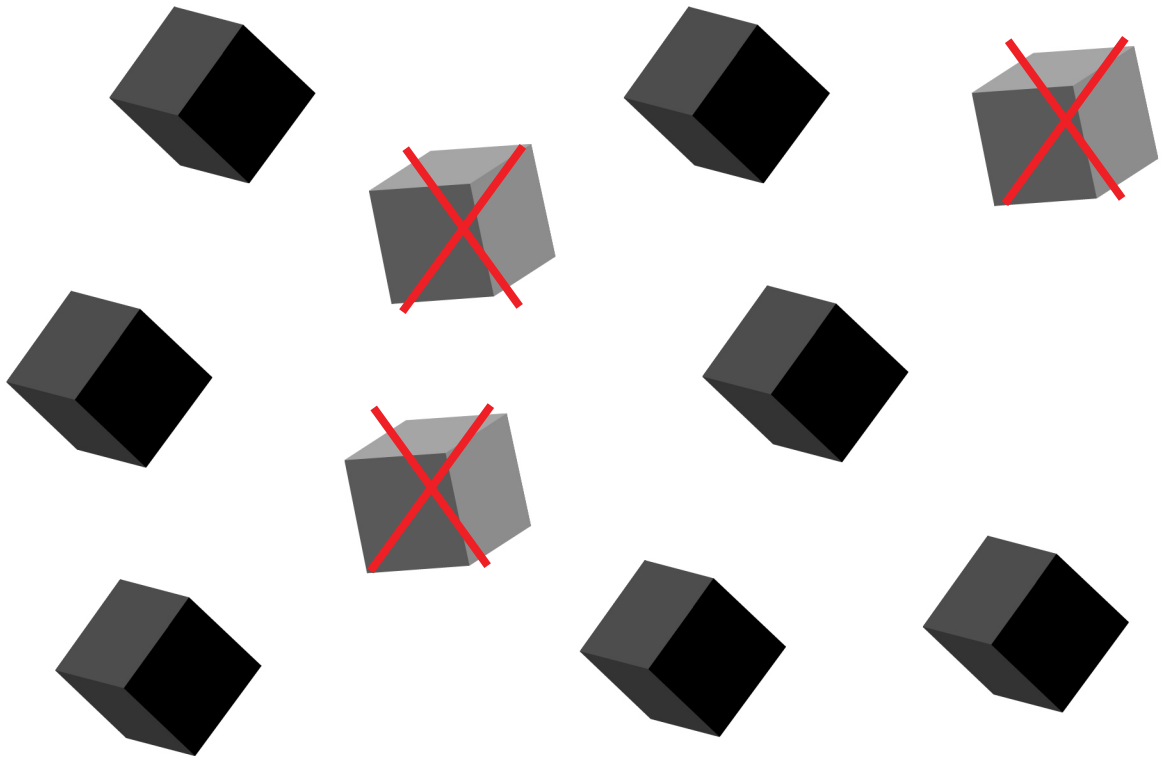
2

How many cats
are left?

4 cats

Subtracting Numbers 1-10

Point to and count the cubes below and write the number on the lines below. Cross out the blue cubes. How many blue cubes did you cross out? How many cubes are left? Write the numbers on the lines below.



How many cubes
are there in all?

10

How many blue cubes
did you cross out?

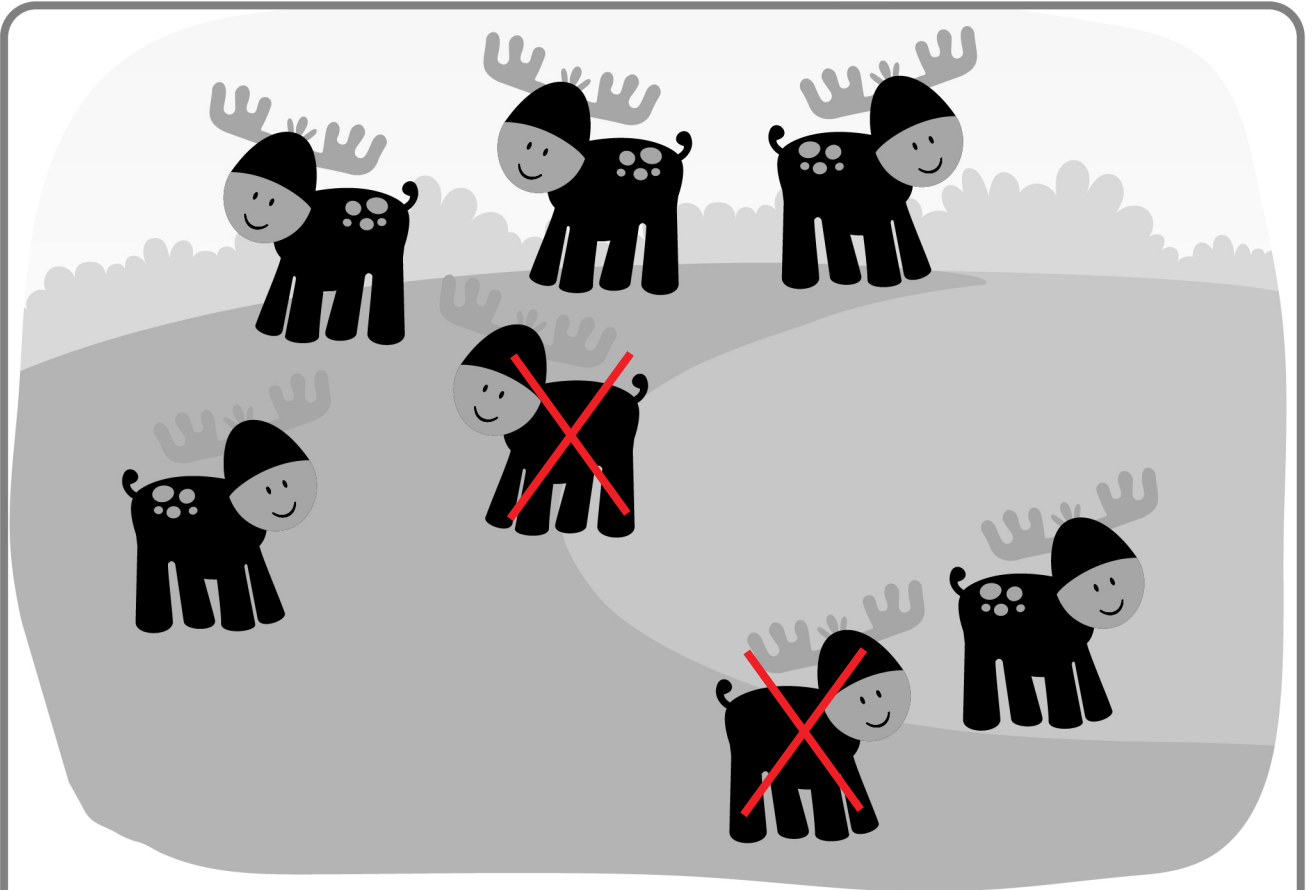
3

How many cubes
are left?

7 cubes

Subtracting Numbers 1-10

Point to and count all of the moose in the picture and write the number on the lines below. Cross out the moose without spots. How many moose without spots did you cross out? How many moose are left? Write the numbers on the lines below.



How many moose are there in all?

7

How many moose without spots did you cross out?

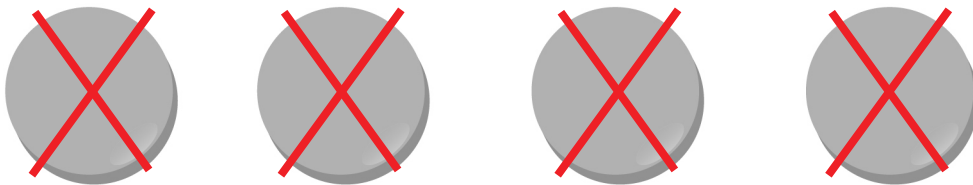
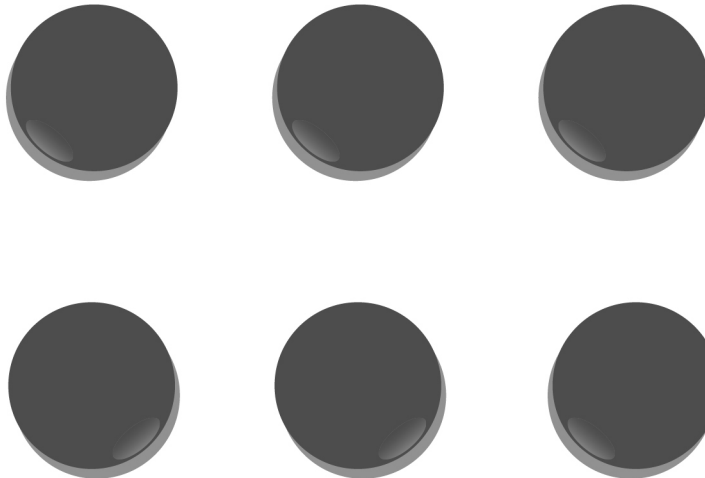
2

How many moose are left?

5 moose

Subtracting Numbers 1-10

Point to and count the circles and write the number on the lines below. Cross out the yellow circles. How many yellow circles did you cross out? How many circles are left? Write the numbers on the lines below.



How many circles are there in all?

10

How many yellow circles did you cross out?

4

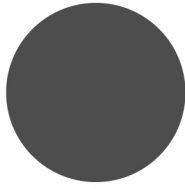
How many circles are left?

6 circles

Shapes

Knowing the primary shapes is the foundation for building knowledge of three-dimensional shapes and geometry. Help your child by tracing, drawing, and naming the shapes together.

circle



square



triangle



rectangle




Point to and name the shapes you see in the picture below.



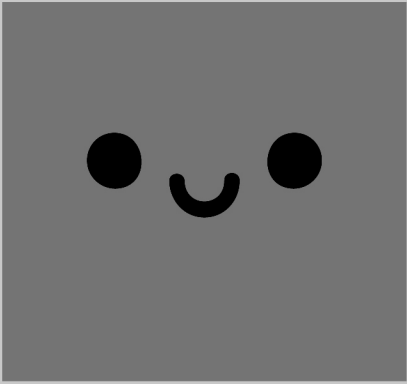
Shapes

Name That Shape!

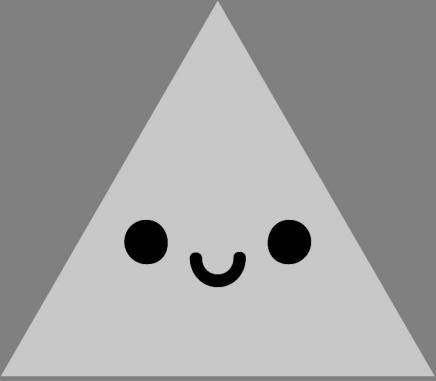
Circle the correct name of the shapes below.



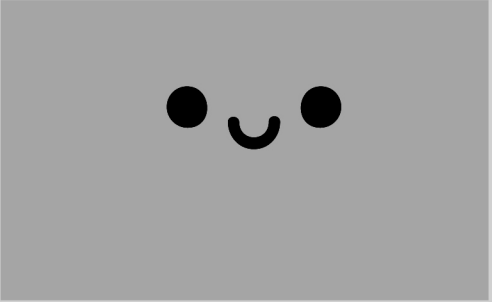
circle square
triangle rectangle



circle square
triangle rectangle



circle square
triangle rectangle



circle square
triangle rectangle

Shapes

Count the shapes in the picture. Write the number of each shape on the lines below. Then colour the shapes.

5

_____ circles

3

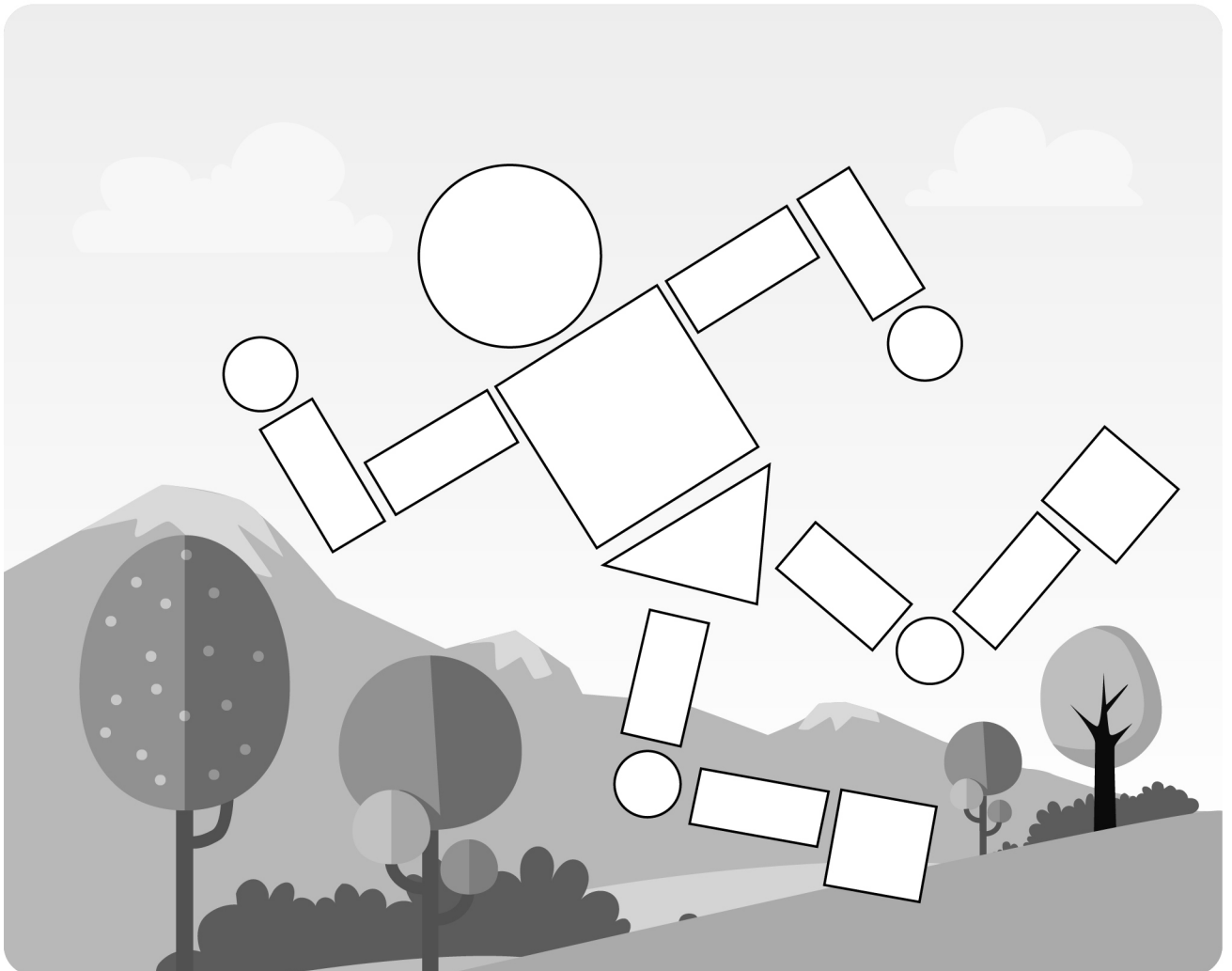
_____ squares

8

_____ rectangles

|

_____ triangle



Shapes

Shape Jumble!

Colour Key

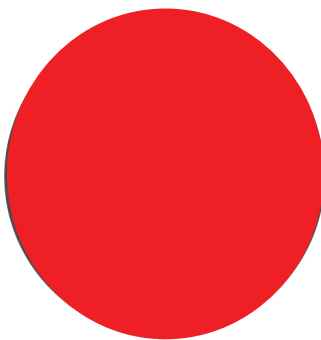
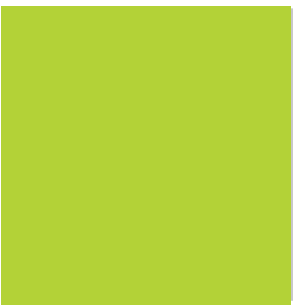
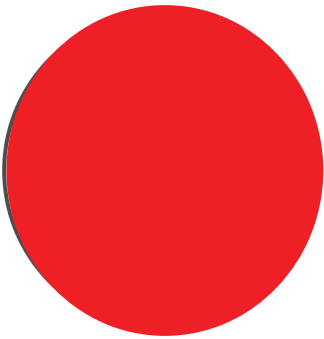
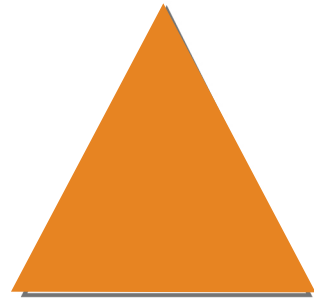
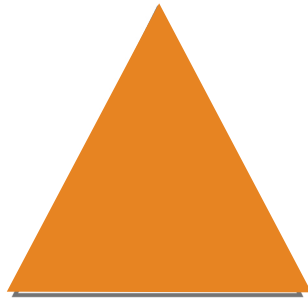
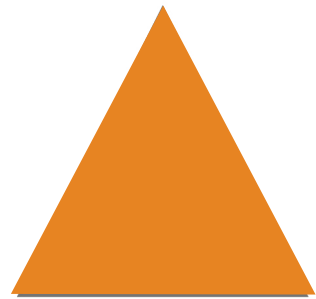
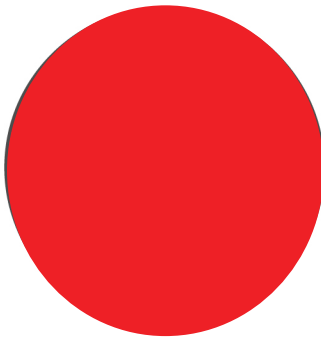
Circle: Red

Rectangle: Blue

Square: Green

Triangle: Orange

Colour the shapes below using the colour key.



Patterns

What Comes Next?





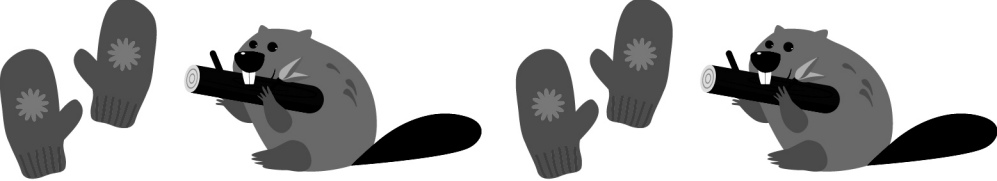



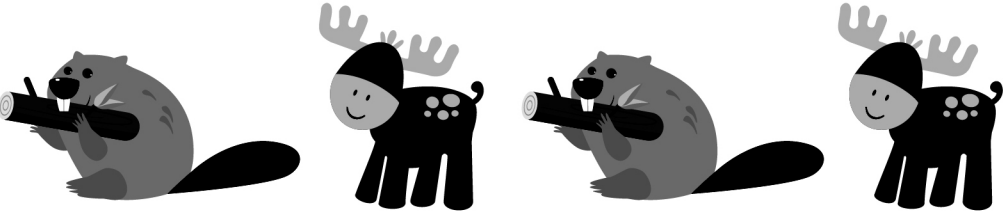


Draw the shape that comes next in each pattern.



Patterns

What Comes Next?

Circle the object that comes next in the pattern.

Patterns

What Comes Next?

Write the letter that comes next in each pattern.

A B C A B

C

E F G E F

G

H I J H I

J

K L M K L

M

X Y Z X Y

Z

Patterns

What Comes Next?

Circle the number that comes next in the pattern.

1 2 3 1 2	3 2 1
-----------	-------

4 5 6 4 5	6 5 4
-----------	-------

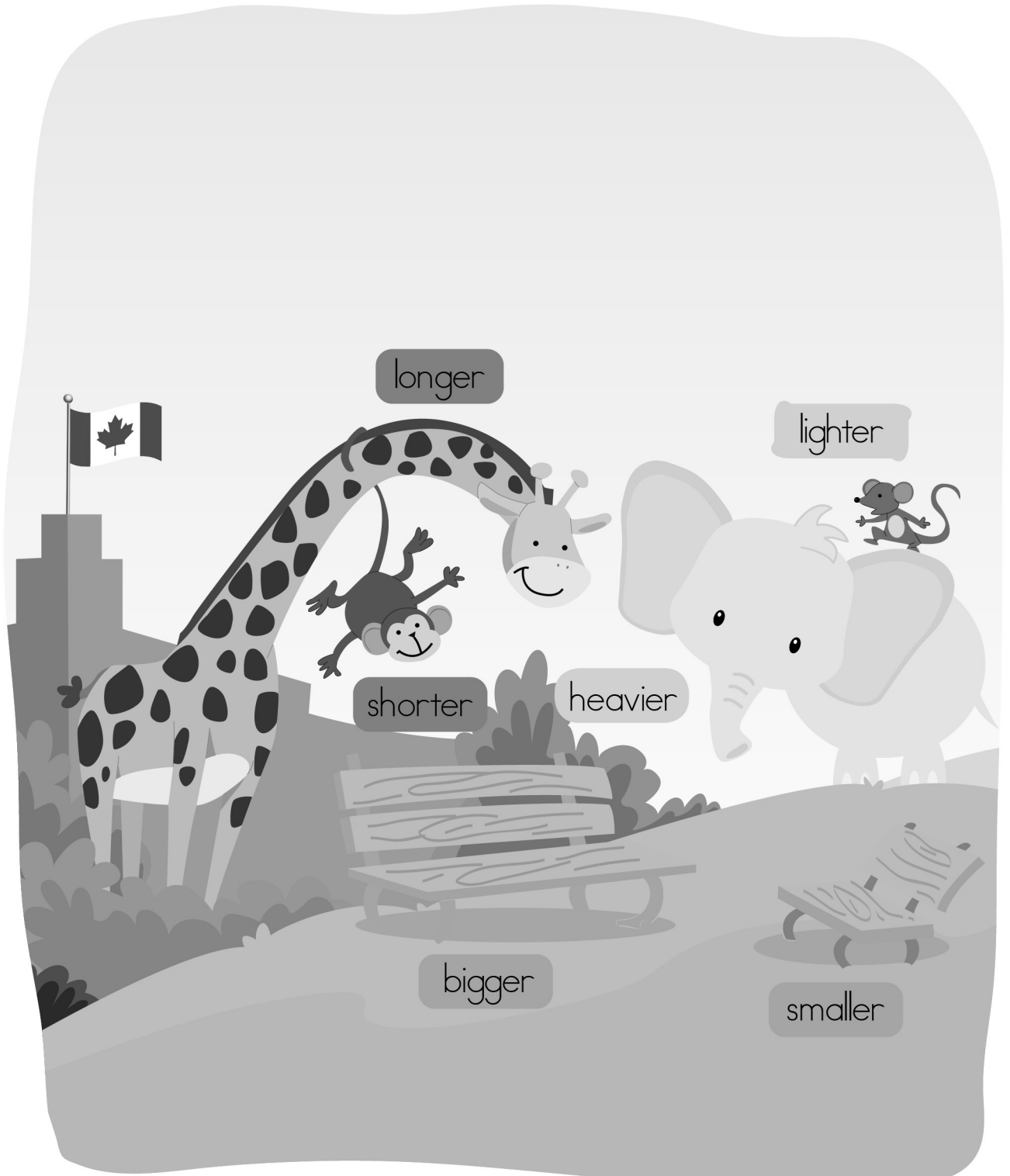
7 8 9 7 8	7 9 8
-----------	-------

2 4 6 2 4	6 2 4
-----------	-------

1 3 5 1 3	3 1 5
-----------	-------

Understanding Measurement

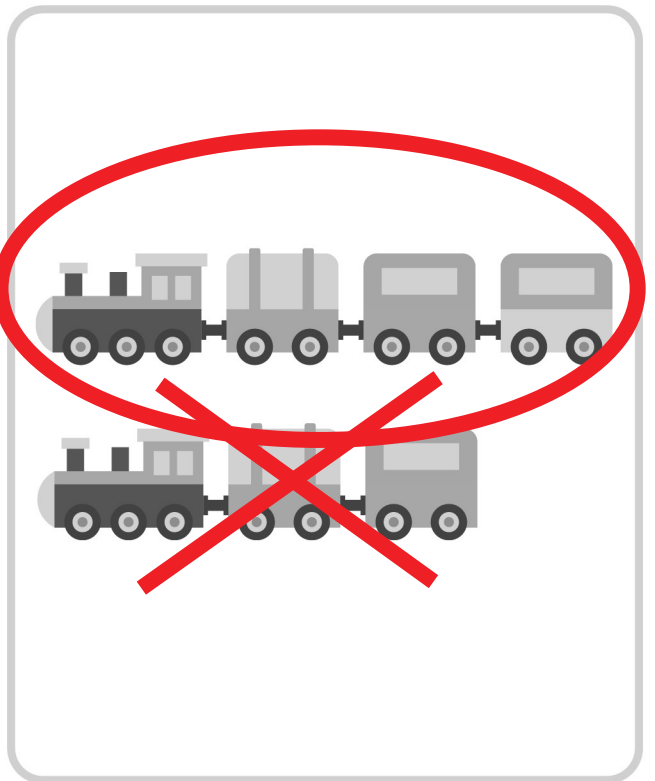
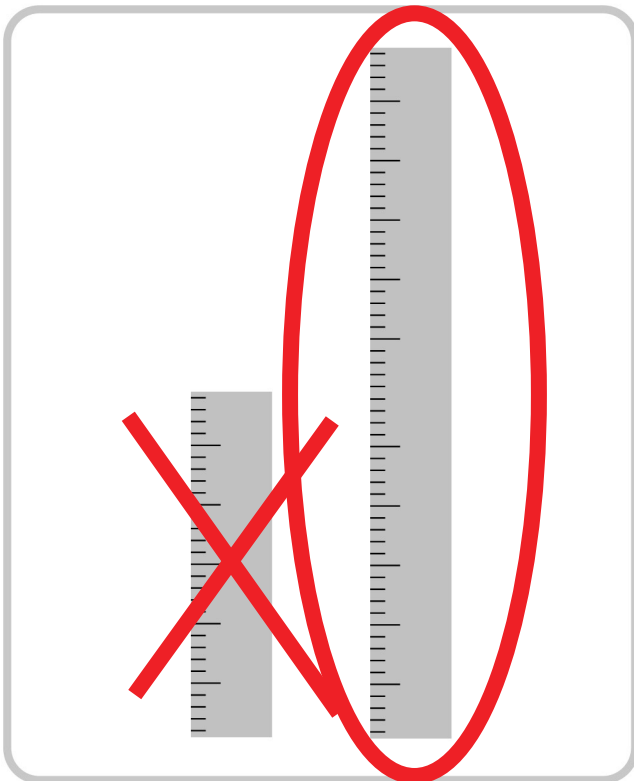
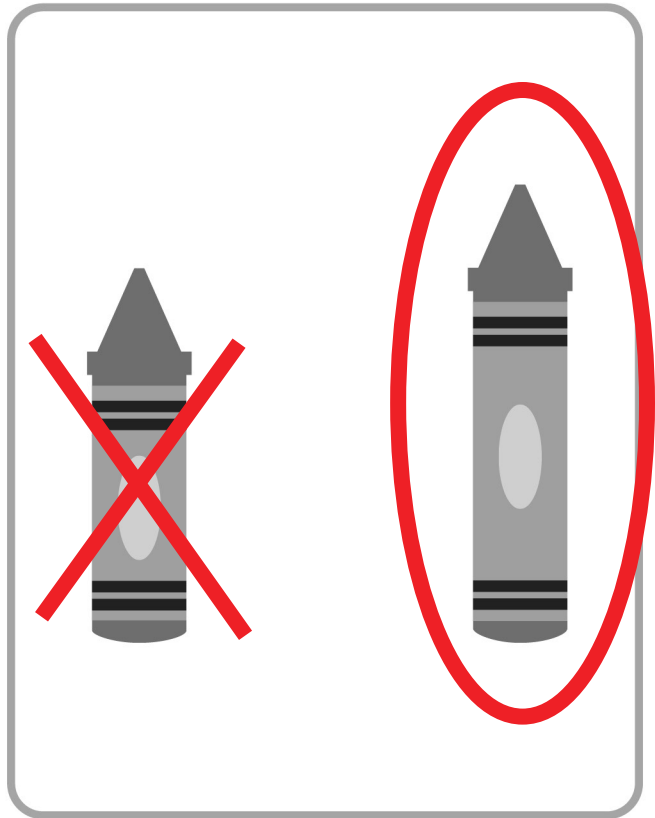
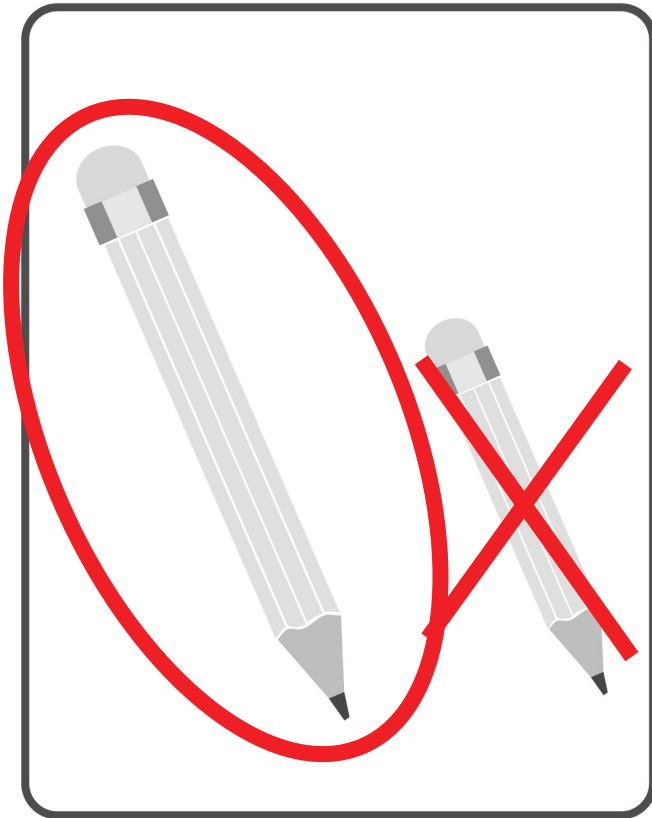
We measure things in many ways every day. Conversations about how long until lunchtime, how far to the park, and how tall your child is getting will engage your child in the process of learning these skills. Before you know it, they will be telling time, measuring, and comparing sizes of objects!



Understanding Measurement

Longer and Shorter

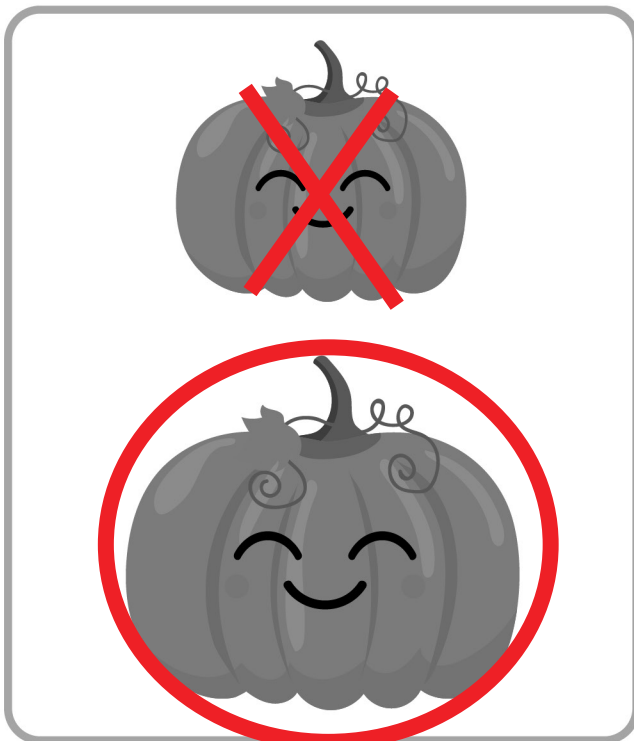
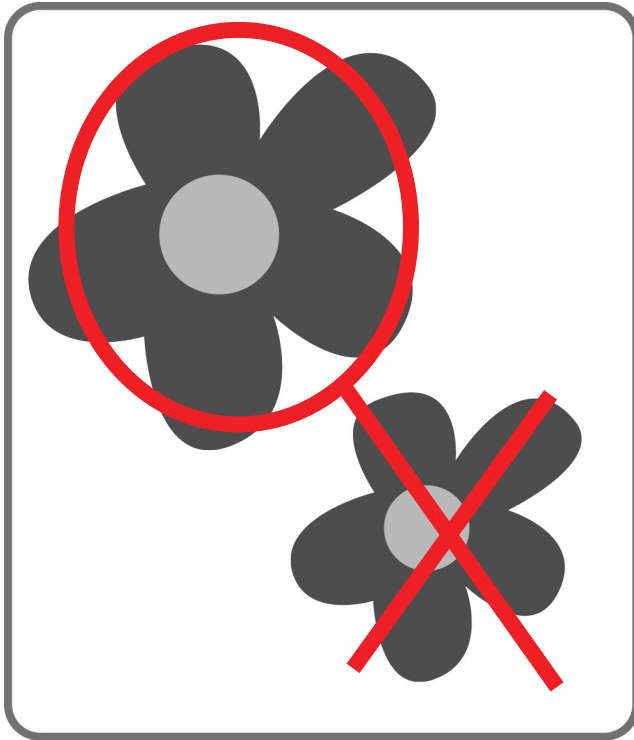
Circle the objects that are longer. Cross out the objects that are shorter.



Understanding Measurement

Bigger and Smaller

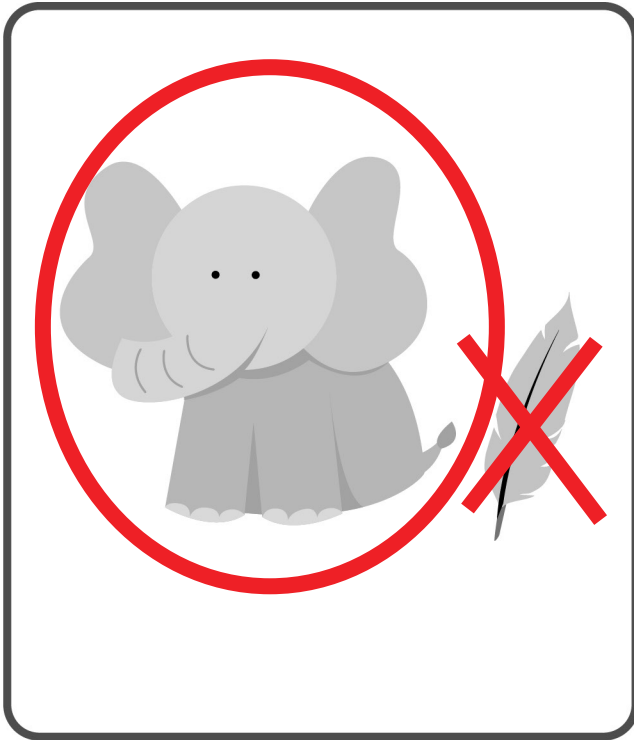
Circle the objects that are bigger. Cross out the objects that are smaller.



Understanding Measurement

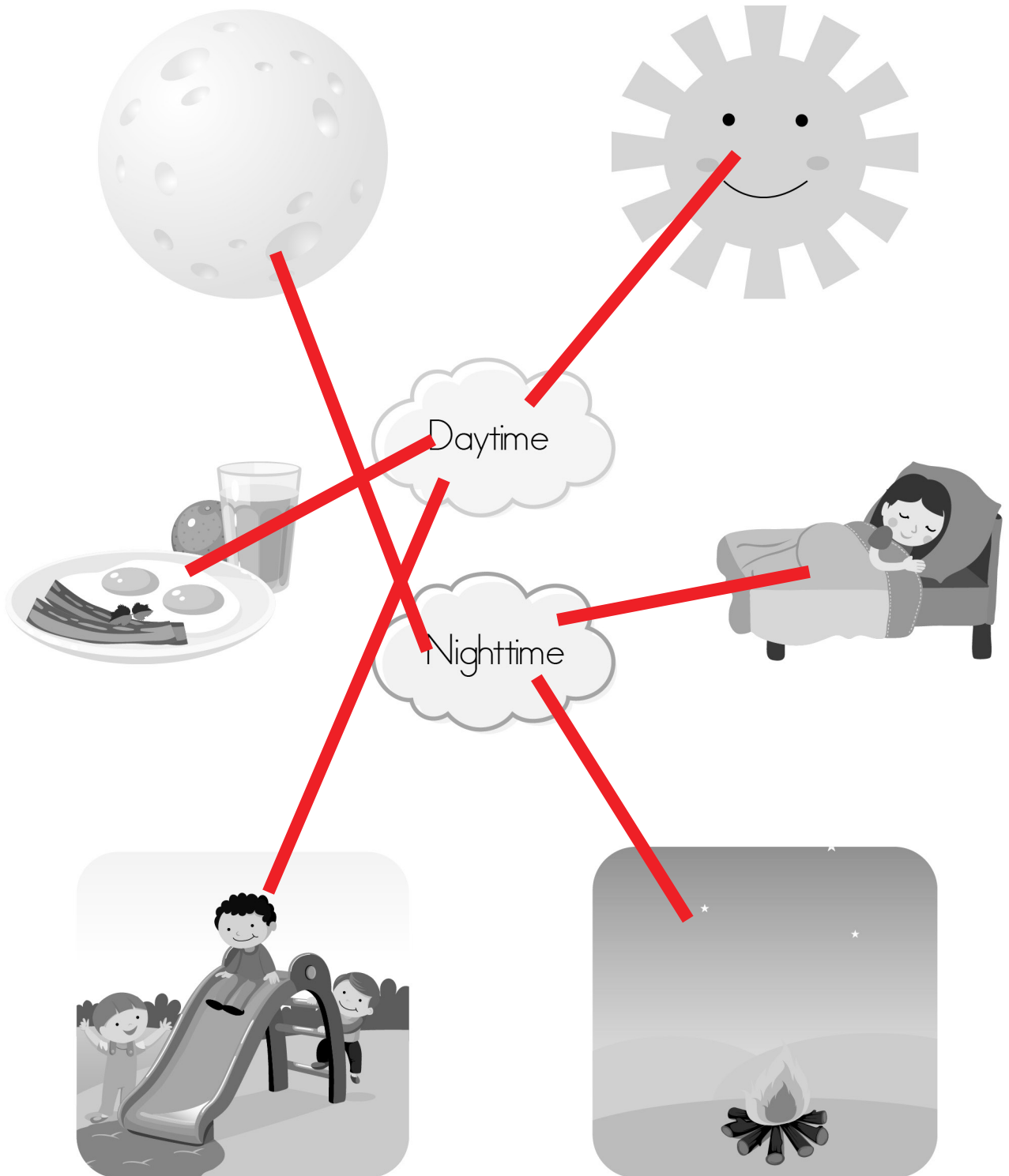
Heavier and Lighter

Circle the objects that are heavier. Cross out the objects that are lighter.



Understanding Time

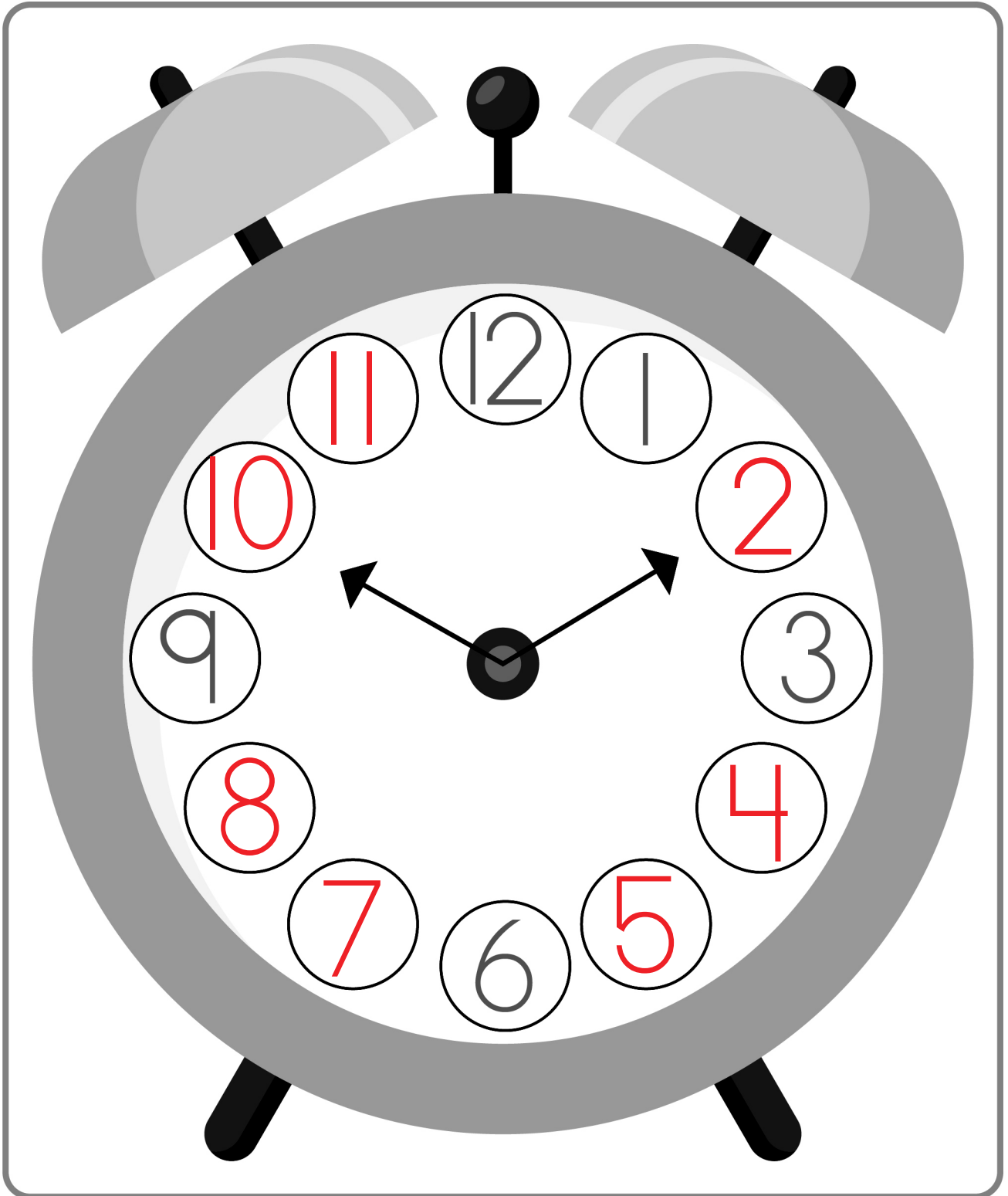
What time is it? Some things happen during the day and some things happen at night. Draw a line from the time of day to the correct pictures.



Understanding Time

Let's Talk About a Clock!

A clock has numbers from 1 to 12. Complete the picture of the clock by writing the missing numbers in the circles.



Sorting and Categorizing

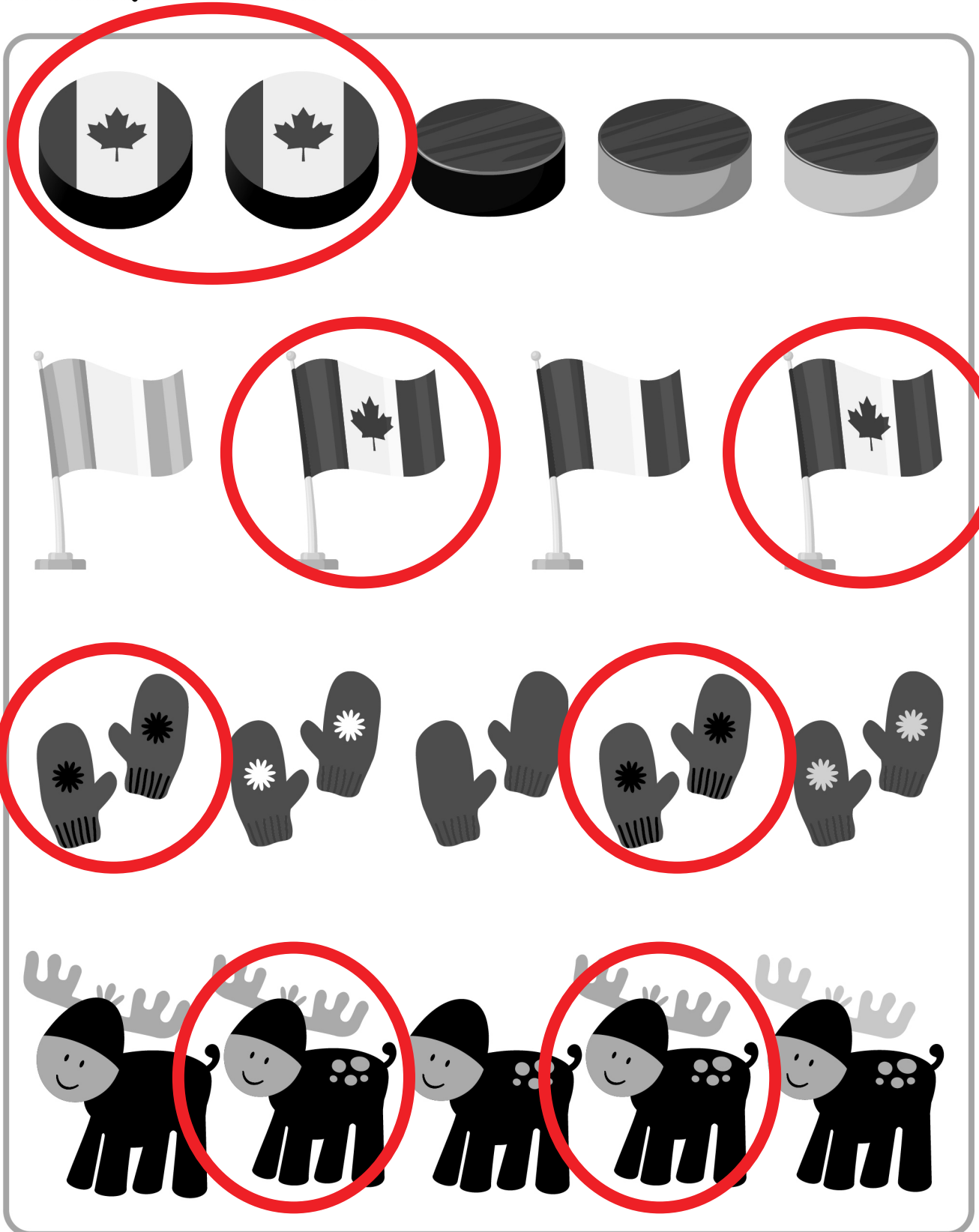
Naturally, when children explore everything around them, they notice how things are alike and how they are different. Sorting and categorizing are best learned when they are part of a child's everyday life. Common activities that children experience during play and daily tasks provide many opportunities for them to learn these math concepts.



Sorting and Categorizing

Same

Circle the objects that are the same.



Sorting and Categorizing

Different

Cross out the objects that are different.

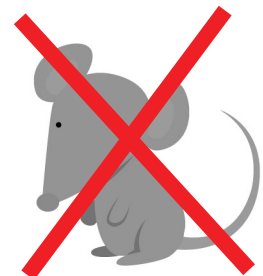
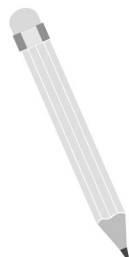
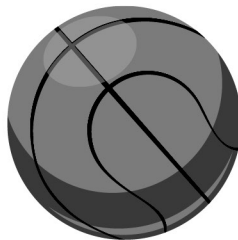
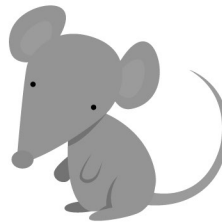
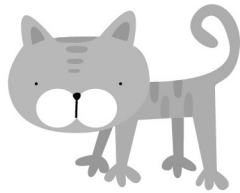
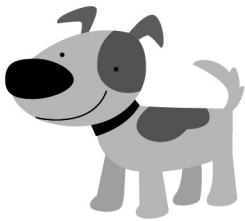
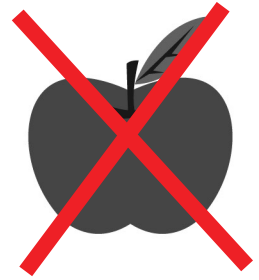
The worksheet contains five rows of objects, each with one object crossed out with a red X:

- Row 1: Five ice cream cones. The first one has light-colored ice cream and a dark cherry on top. The other four have dark-colored ice cream and a dark cherry on top.
- Row 2: Five sun-like shapes with rays. The first four are plain grey. The fifth one has a smiling face.
- Row 3: Five flip-flops with a white polka-dot pattern. The first four have a black strap. The fifth one has a grey strap.
- Row 4: Five seashells with a light-colored pattern. The first three are dark grey. The fourth one is light grey. The fifth one is dark grey.

Sorting and Categorizing

One of these things doesn't belong here.

Cross out the objects that don't belong.



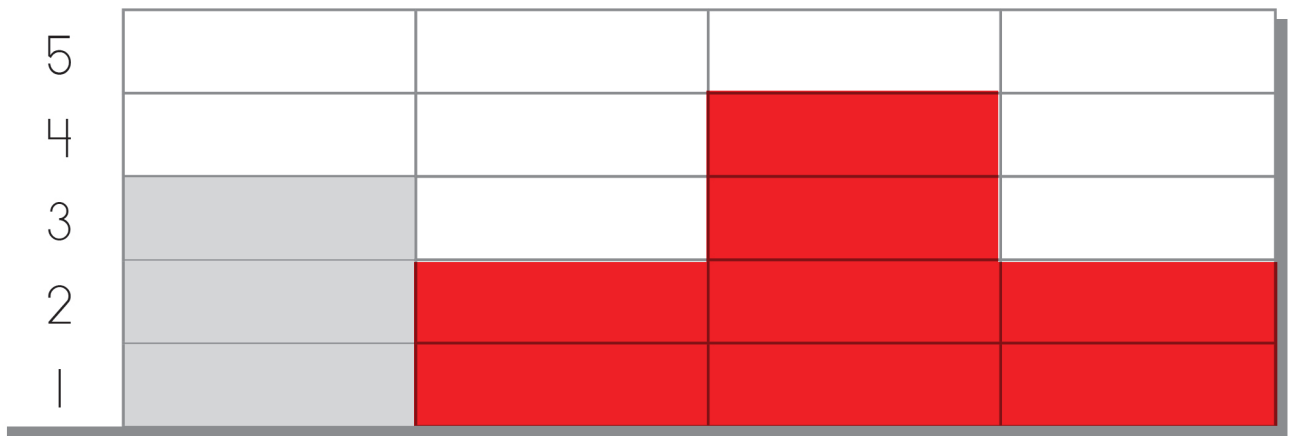
Sorting and Categorizing

Graphing Shapes

Colour in the graph to show how many of each shape is in the picture below.



Shapes



Sorting and Categorizing

Reading a Graph

Each coloured square represents one person who liked that sport. Count how many votes each sport received and answer the questions below.

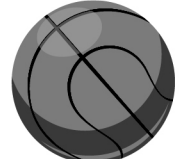
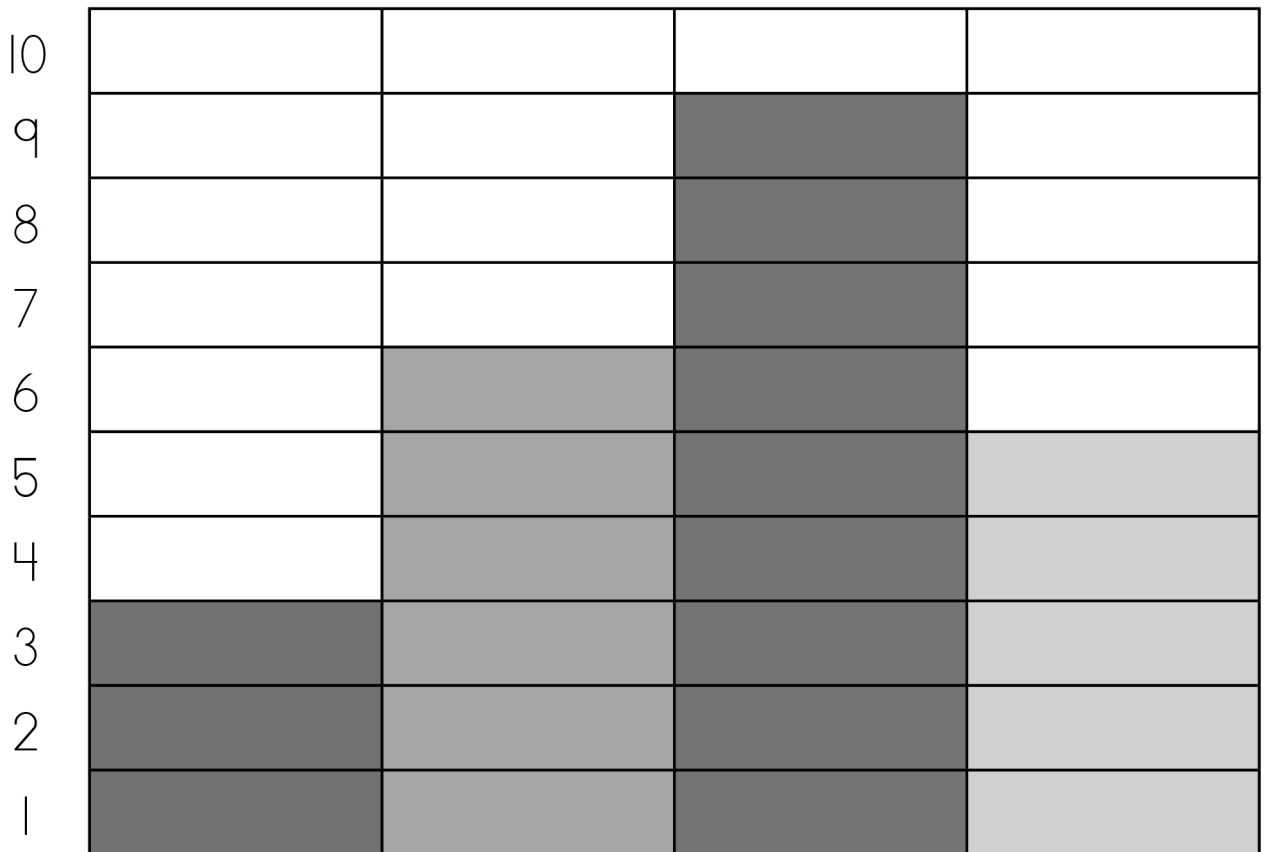
How many people like football? _____ **6**

How many people like soccer? _____ **3**

How many people like basketball? _____ **5**

How many people like baseball? _____ **9**

Our Favourite Sports

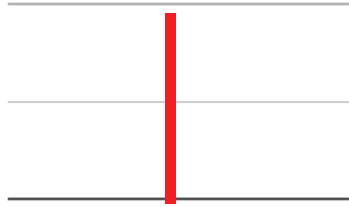


Summary of Concepts

Numbers, Shapes, and Patterns

Write the numbers on the lines below.

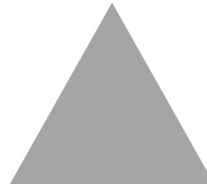
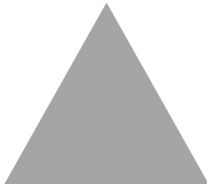
one



six

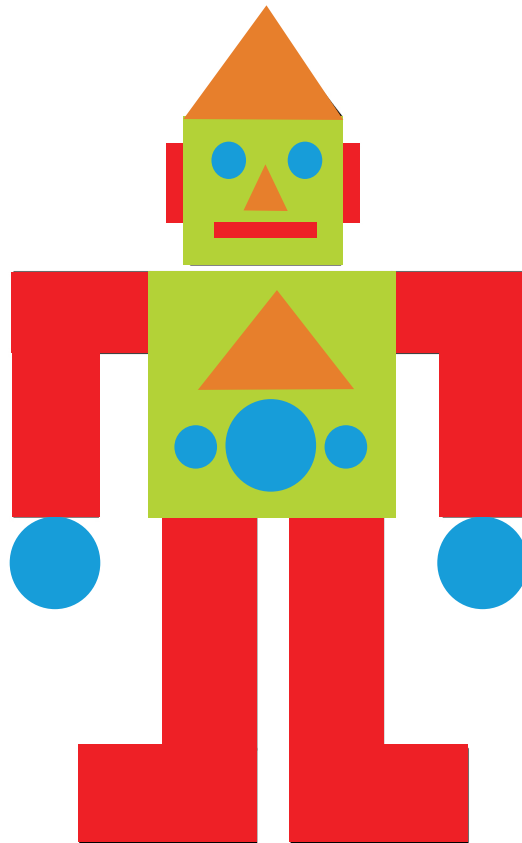


Draw the shape that comes next in the pattern.



Colour the shapes.

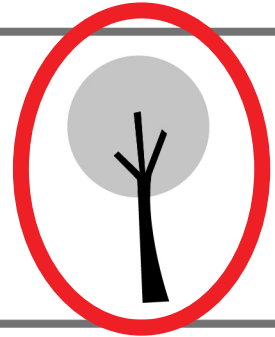
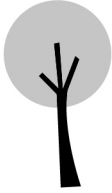
Circle: Blue Square: Green Rectangle: Red Triangle: Orange



Summary of Concepts

Measurement, Sorting, and Graphing

Circle the tree that is the tallest.



Cross out the object that doesn't belong.



Favourite Foods

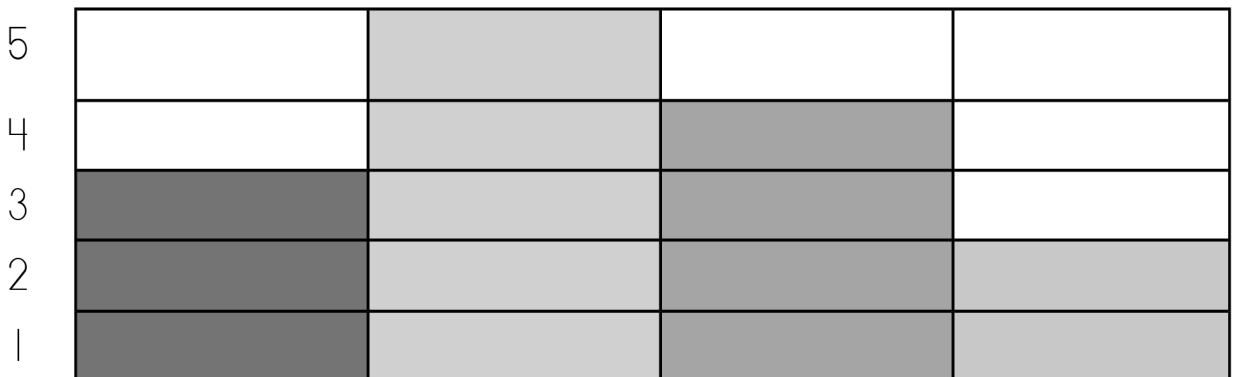
Look at the graph and write the answers below.

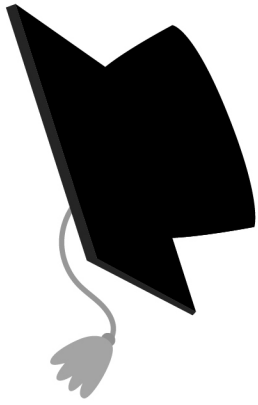
How many people like hamburgers? _____ 3

How many people like juice? _____ 5

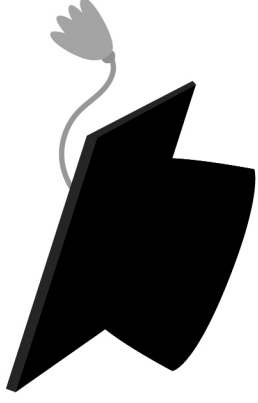
How many people like apples? _____ 4

How many people like fries? _____ 2





CERTIFICATE of Achievement



.....

has successfully completed
Kindergarten Math Readiness



Date

.....

Parent's Signature

.....

