

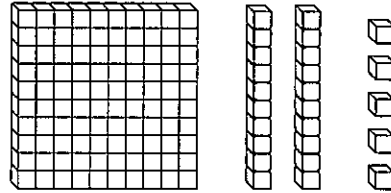
Identify Place Value

Essential **?** How can you use place value to understand the value of a number?

The 1 in 125 means 1 hundred.

The 2 in 125 means 2 tens.

The 5 in 125 means 5 ones.



125

Draw for

Draw | for

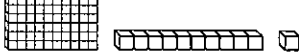


Draw • for



hundreds	tens	ones
1	2	5

Check Understanding

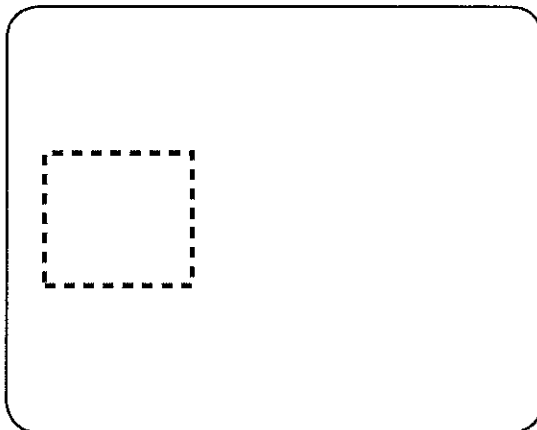
Use your MathBoard and  to show the number.

Draw to complete the quick picture.

Write how many hundreds, tens, and ones.

1

106



hundreds	tens	ones
_____	_____	_____

THINK

106 has no tens.



Turn and Talk How is the 1 in 187 different from the 1 in 781?

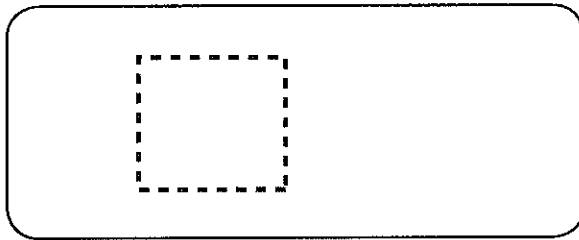
On My OwnUse your MathBoard and .

Draw to complete the quick picture.

Write how many hundreds, tens, and ones.

2

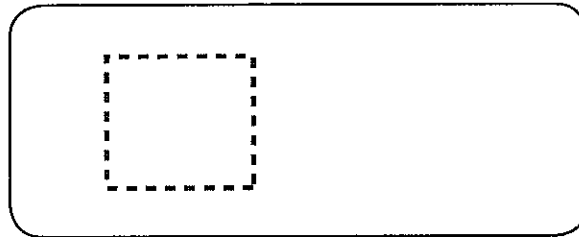
170



hundreds	tens	ones
_____	_____	_____

3

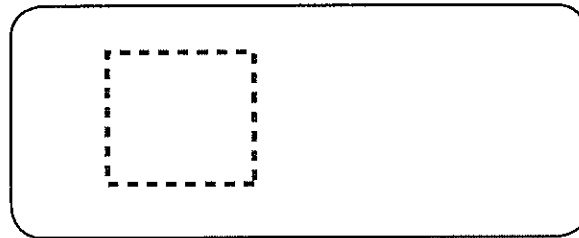
143



hundreds	tens	ones
_____	_____	_____

4

121



hundreds	tens	ones
_____	_____	_____

Circle your answer.

5 I have 1 hundred, 9 tens, and 9 ones. What number am I?

99

100

199

6 I have 3 ones, 0 tens, and 1 hundred. What number am I?

107

170

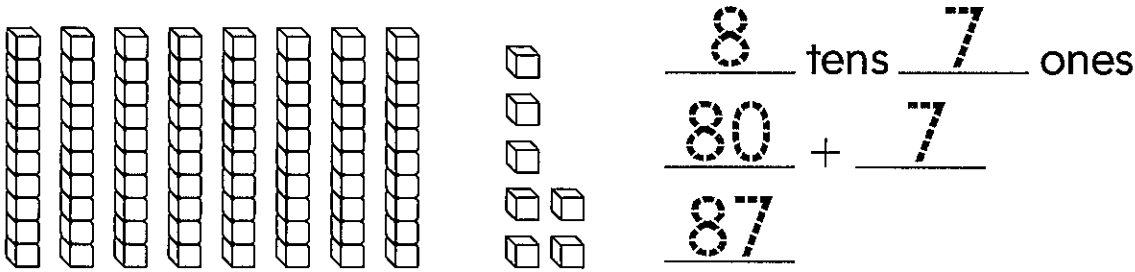
103

Take Home Activity Write some numbers from 100 to 199. Have your child tell how many hundreds, tens, and ones are in the number.

Algebra • Ways to Expand Numbers

Essential **?** How can you write a two-digit number in different ways?

There are different ways to think about a number.



8 tens and 7 ones is the same as 80 plus 7.

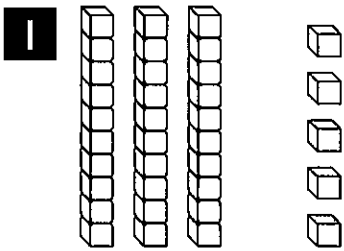


Turn and Talk Does the 7 in the number 72 show 7 or 70? Explain.

Check Understanding

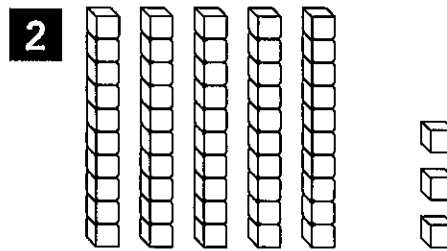
Write how many tens and ones.

Write the number in two different ways.



_____ tens _____ ones

_____ + _____



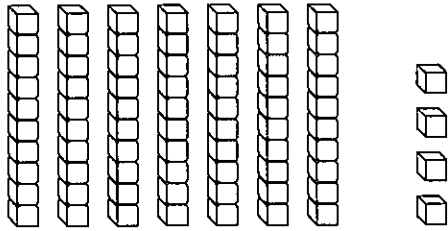
_____ tens _____ ones

_____ + _____

On My Own

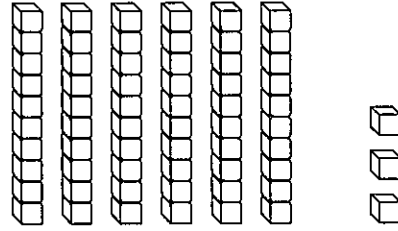
Write how many tens and ones.

Write the number in two different ways.

3

_____ tens _____ ones

_____ + _____

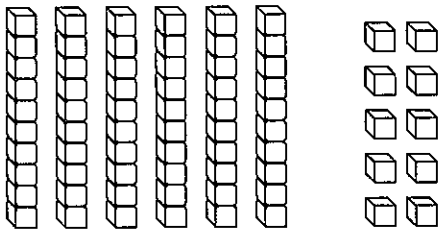
4

_____ tens _____ ones

_____ + _____

5

Draw the same number using only tens. Write how many tens and ones. Write the number in two different ways.



_____ tens _____ ones

_____ + _____

_____ tens _____ ones

_____ + _____

Take Home Activity Write a two-digit number to 99. Ask your child to write how many tens and ones and then write the number a different way.

Use Place Value to Compare Numbers

Essential **?** How can you use place value to compare two numbers?

Use these symbols to compare numbers.

$>$ is greater than

$<$ is less than

$=$ is equal to

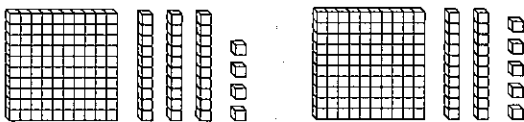


I want to eat the greater number.

$$45 < 46$$

45 is less than 46.

Compare 134 and 125.



First compare hundreds.

One hundred is equal to one hundred.

$$100 = 100.$$

If the hundreds are equal, compare the tens.

30 is greater than 20.

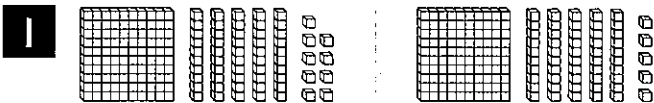
$$134 > 125$$



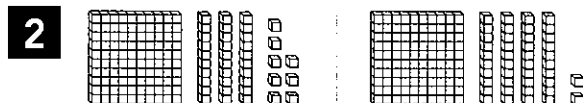
Turn and Talk Compare 173 and 177. Did you have to compare all the digits? Why or why not?

Check Understanding

Write the numbers and compare. Write $>$, $<$, or $=$.



$$\underline{159} > \underline{155}$$



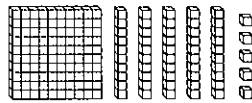
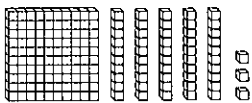
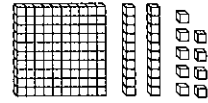
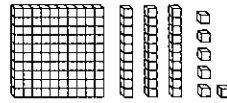
$$\underline{\quad} \bigcirc \underline{\quad}$$

Compare the numbers using $>$, $<$, or $=$.

3 187 \bigcirc 168

4 165 \bigcirc 159

5 127 \bigcirc 141

On My OwnWrite the numbers. Compare. Write $>$, $<$, or $=$.**6****7**

_____ ○ _____

_____ ○ _____

Compare the numbers using $>$, $<$, or $=$.

8 $143 \bigcirc 143$

9 $162 \bigcirc 157$

10 $185 \bigcirc 188$

11 $124 \bigcirc 129$

12 $189 \bigcirc 195$

13 $135 \bigcirc 135$

14 $173 \bigcirc 164$

15 $123 \bigcirc 117$

16 $118 \bigcirc 131$

17 $155 \bigcirc 145$

18 $181 \bigcirc 181$

19 $192 \bigcirc 179$

20 $122 \bigcirc 129$

21 $166 \bigcirc 177$

22 $154 \bigcirc 154$

23 Antonio is thinking of a number between 100 and 199. It has 1 hundred, 3 tens, and 6 ones. Kim is thinking of a number between 100 and 199. It has 1 hundred, 6 tens, and 3 ones. Who is thinking of a greater number?

_____ is thinking of a greater number.

Draw or write to explain.

Take Home Activity Choose two numbers between 100 and 199 and have your child explain which number is greater.

Algebra • Addition Function Tables

Essential  How can you follow a rule to complete an addition function table?

The rule is Add 9.
Add 9 to each number.

Add 9	
7	16
8	17
9	18

Check Understanding

Follow a rule to complete the table.

1

Add 3	
7	
8	
9	

2

Add 4	
6	
7	
8	

3

Add 5	
5	
7	
9	

4

Add 8	
5	
7	
9	

5

Add 7	
6	
8	
9	

6

Add 6	
6	
8	
9	



Turn and Talk Look at Exercise 4. How does the rule help you see a pattern?

On My Own

Follow a rule to complete the table.

7

Add 7	
7	
8	
9	

8

Add 4	
7	
8	
9	

9

Add 5	
7	
8	
9	

10

Add 8	
4	
6	
8	
9	

11

Add 3	
3	
5	
7	
9	

12

Add 6	
6	
7	
8	
9	

13 Solve. Complete the table.

Tom is 8 years old.

Julie is 7 years old.

Carla is 4 years old.

How old will each child be
in 4 years?

Tom	8
Julie	7
Carla	4

Take Home Activity Copy Exercise 12 and change the numbers in the left column to 9, 7, 5, and 3. Have your child complete the table and explain how he or she used a rule to solve the problem.

Algebra • Subtraction Function Tables

Essential  How can you follow a rule to complete a subtraction function table?

The rule is Subtract 7.
Subtract 7 from each number.

Subtract 7	
14	7
15	8
16	9

Check Understanding

Follow a rule to complete the table.

1

Subtract 3	
9	
10	
11	

2

Subtract 4	
6	
8	
10	

3

Subtract 5	
6	
8	
10	

4

Subtract 8	
9	
11	
13	

5

Subtract 7	
12	
13	
14	

6

Subtract 6	
6	
8	
9	



Turn and Talk How can Exercise 2 help you solve Exercise 3?

Name _____

On My Own

Follow a rule to complete the table.

7

Subtract 4	
11	
12	
13	

8

Subtract 6	
7	
8	
9	

9

Subtract 5	
7	
8	
9	

10

Subtract 7	
13	
14	
15	
16	

11

Subtract 8	
12	
14	
16	
17	

12

Subtract 9	
12	
14	
16	
17	

13 Solve. Complete the table.

Jane has 4 cookies.

Lucy has 3 cookies.

Seamus has 2 cookies.

How many cookies will each child have if they each eat 2 cookies?

Jane
Lucy
Seamus

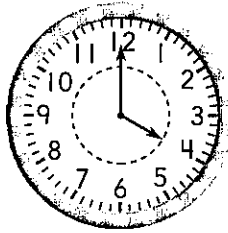
4	
3	
2	

Take Home Activity Copy Exercise 12 and change the numbers in the left column to 10, 11, 12, and 13. Have your child complete the table and explain how he or she used a rule to solve the problem.

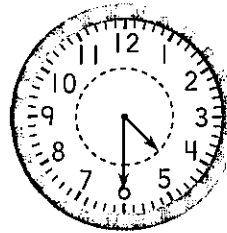
Time to the Hour and Half Hour

Essential **?** How do you tell time to the hour and half hour on an analog clock?

The hour hand and the minute hand show the time.
Write the time shown on the clock.



4:00



4:30

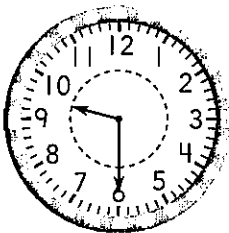


Turn and Talk Why will the hour hand point halfway between 5 and 6 at half past 5:00?

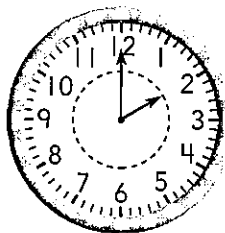
Check Understanding

Read the clock. Write the time.

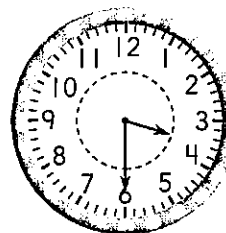
1



2



3

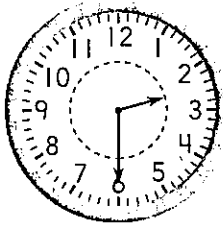


Name _____

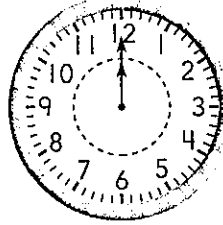
On My Own

Read the clock. Write the time.

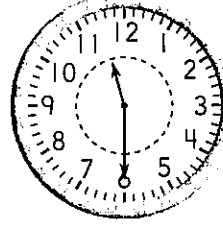
4



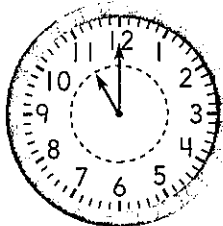
5



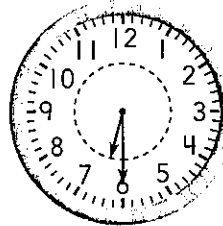
6



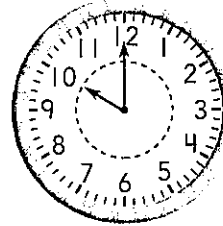
7



8

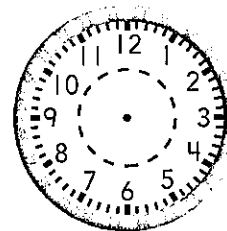


9



Draw and write to show the time.

- 10** Liam has soccer practice at half past 10:00.



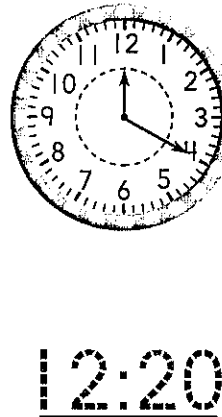
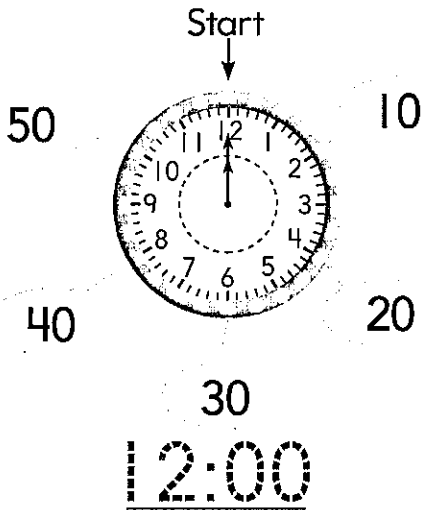
Take Home Activity Say a time, such as half past 1:00 or 7:00. Ask your child where the clock hands will point at that time.

Tell Time in Ten Minute Intervals

Essential **?** How can you use counting by tens to tell time?

Counting by tens helps you tell time. 10, 20, 30, 40, 50, ...

Count around the clock every 10 ticks. Twenty minutes past 12.

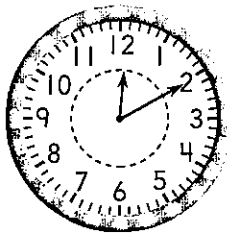


Turn and Talk Look at the clock on the left. What time would it be if the minute hand moves all around the clock past 60 ticks? Explain.

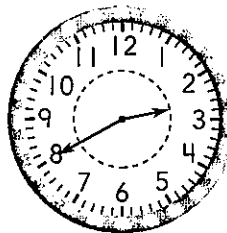
Check Understanding

Read the clock. Write the time.

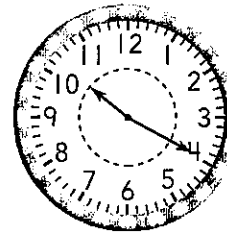
1



2

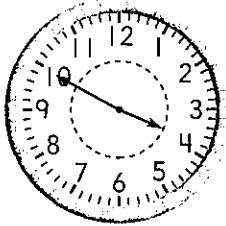


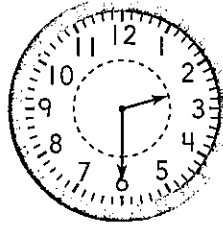
3

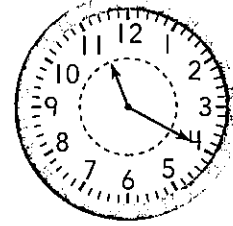


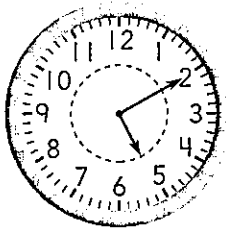
On My Own

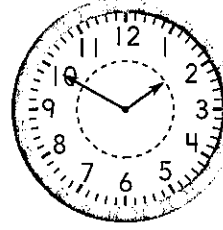
Read the clock. Write the time.

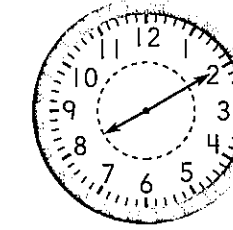
4

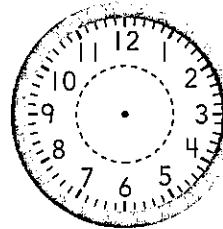
5

6

7

8

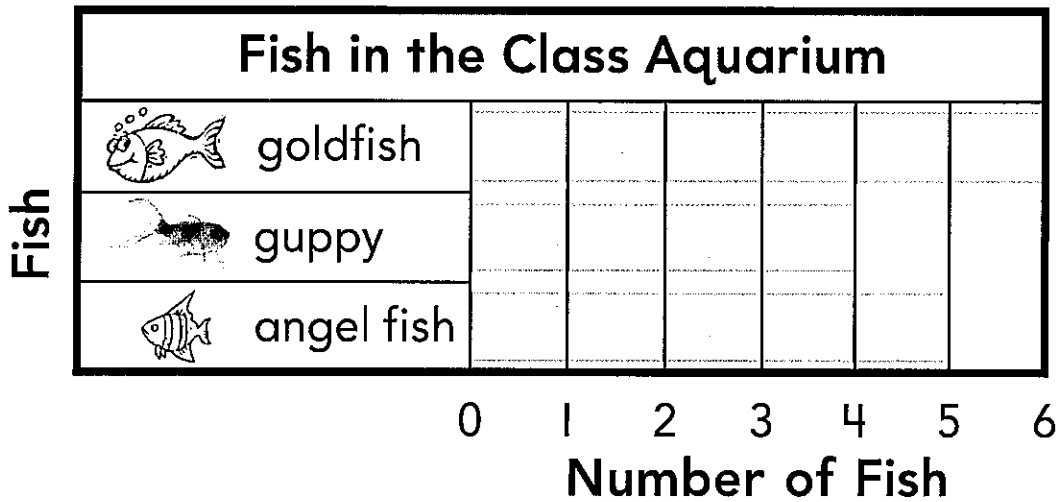
9

10 Draw the clock hands to show 7:40.

Take Home Activity Say a time 10, 20, 30, 40, or 50 minutes after an hour, such as "eight thirty" or "three ten." Ask where the clock hands will point at that time.

Use a Bar Graph

Essential  How do you read a bar graph?



To find how many, read the number below the end of the bar.


6 fish are .

Check Understanding

Use the bar graph to answer the questions.

1 How many fish are in the aquarium?



_____ fish

2 How many fish in the aquarium are .

_____ fish

3 How many fewer fish are  than .

_____ fish

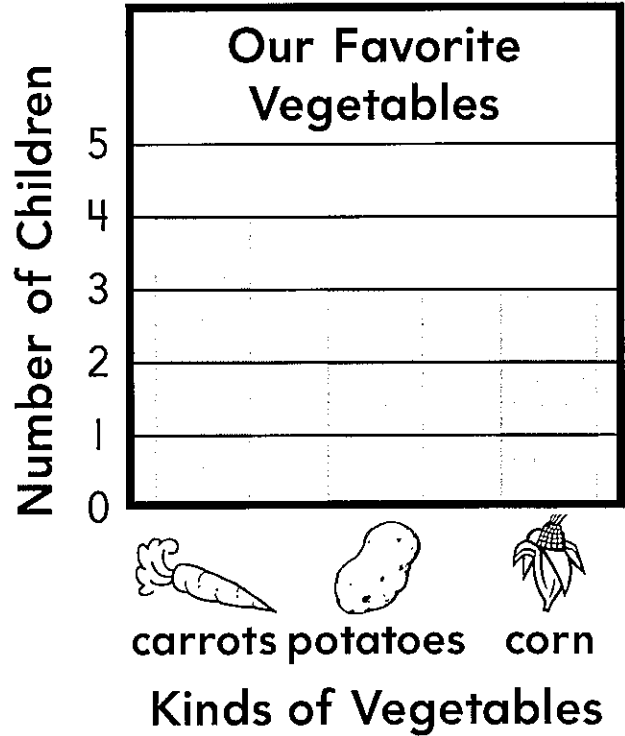
4 Are more of the fish  or .




Turn and Talk How did you find the answer for Exercise 1?

On My Own

Use the bar graph to answer the questions.






5 How many children chose  ?
_____ children

6 How many children chose  ?
_____ children

7 Which vegetable did most children choose? Circle.



8 Which vegetables were chosen the same number of times? Circle.   

Use the bar graph to solve.

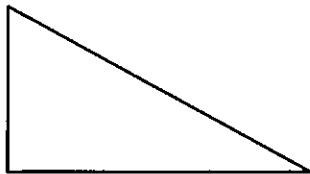
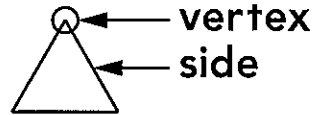
9 Brad and Glen both like corn the best. If the boys add this to the graph, how many children will have chosen corn? _____ children

Take Home Activity Ask your child to decide whether they prefer carrots or potatoes. Then have your child color to add their choice to the bar graph on this page.

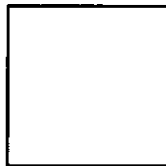
Identify Shapes

Essential **?** How can attributes help you identify a shape?

The number of sides and vertices help you identify a shape.



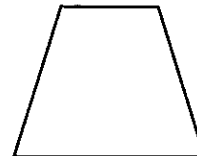
triangle



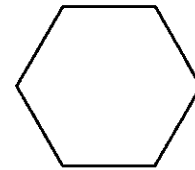
square



rectangle



trapezoid



hexagon

3 sides, 3 vertices

4 sides, 4 vertices

6 sides, 6 vertices

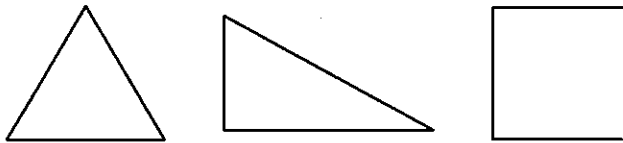


Turn and Talk How are a square and a rectangle alike?

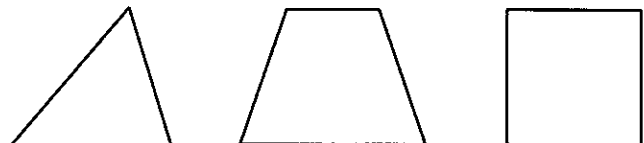
Check Understanding

Circle to answer the question. Write to name the shape.

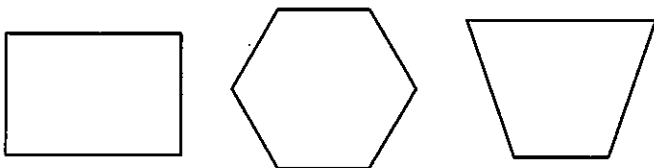
1 Which shape has 4 sides?



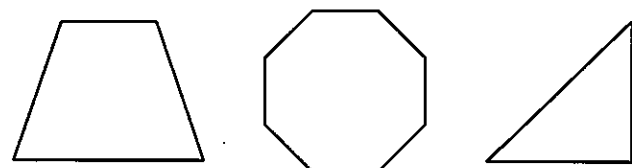
2 Which shape has 3 vertices?



3 Which shape has 6 sides?



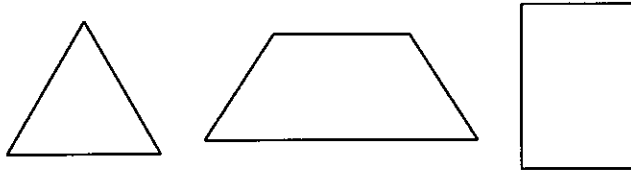
4 Which shape has 4 vertices?



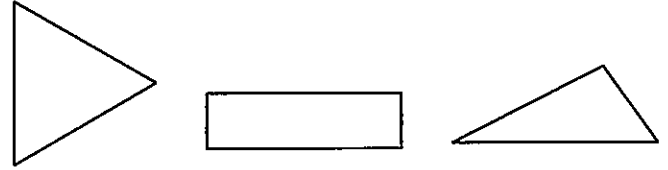
On My Own

Circle to answer the question. Write to name the shape.

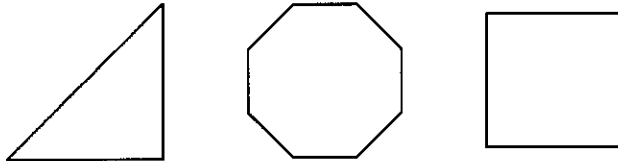
5 Which shape has 3 sides?



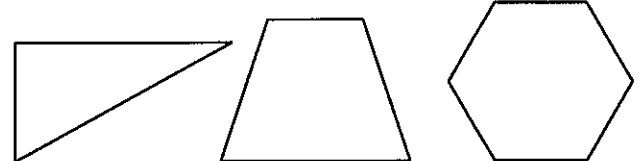
6 Which shape has 4 vertices?



7 Which shape has 4 sides?



8 Which shape has 6 vertices?



9 Jason, Mat, and Carrie each draw a shape with 4 sides. The shapes look different and have different names.

Draw 3 shapes the children might have drawn. Write to name each shape.

Take Home Activity Have your child look around the house to find something that looks like a rectangle. Then have your child point to the rectangle and count the vertices. Repeat with the sides.

Find the missing number.

1 $8 + 2 = \underline{\quad}$

2 $3 + \underline{\quad} = 7$

3 $\underline{\quad} + 4 = 9$

4 $2 + 5 = \underline{\quad}$

5 $4 + \underline{\quad} = 14$

6 $\underline{\quad} + 5 = 13$

7 $5 + 9 = \underline{\quad}$

8 $7 + \underline{\quad} = 10$

9 $\underline{\quad} + 2 = 9$

10 $9 + 8 = \underline{\quad}$

11 $13 + \underline{\quad} = 16$

12 $\underline{\quad} + 15 = 20$

13 $3 + \underline{\quad} = 12$

14 $3 + \underline{\quad} = 16$

15 $7 + 7 = \underline{\quad}$

16 $\underline{\quad} + 9 = 18$

17 $14 + \underline{\quad} = 17$

18 $13 + 7 = \underline{\quad}$

19 $7 + 8 = \underline{\quad}$

20 $\underline{\quad} + 2 = 13$

Name _____

Fluency Builder
Subtraction Level 1

Subtract.

1 $8 - 7 =$ _____

2 $12 - 5 =$ _____

3 $10 - 4 =$ _____

4 $8 - 4 =$ _____

5 $8 - 5 =$ _____

6 $16 - 8 =$ _____

7 $11 - 6 =$ _____

8 $9 - 3 =$ _____

9 $14 - 4 =$ _____

10 $15 - 2 =$ _____

11 $12 - 3 =$ _____

12 $11 - 7 =$ _____

13 $11 - 8 =$ _____

14 $12 - 10 =$ _____

15 $13 - 8 =$ _____

16 $10 - 7 =$ _____

17 $12 - 6 =$ _____

18 $13 - 4 =$ _____

19 $20 - 11 =$ _____

20 $10 - 8 =$ _____

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