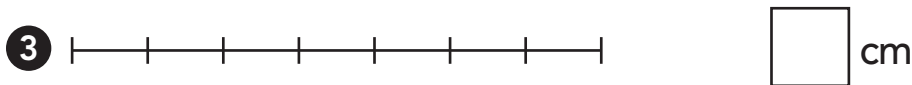
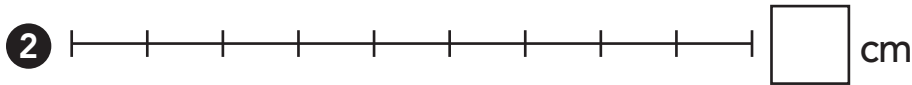
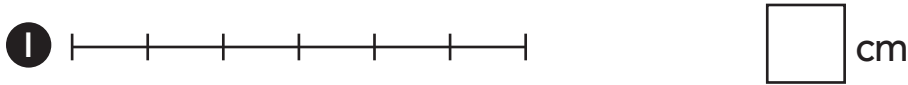
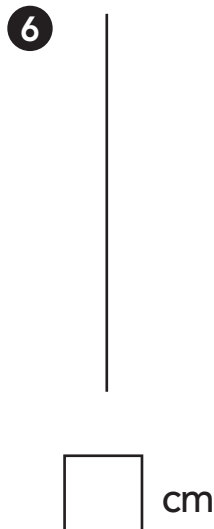
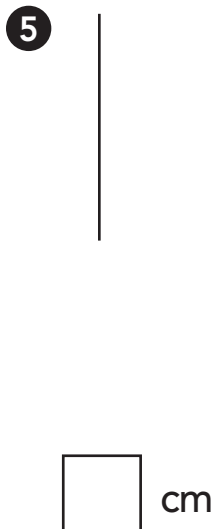


Count the 1-cm lengths. Write the length.



- 4 Use your centimeter ruler to draw a line segment 8 cm long.
Mark the 1-cm lengths.

Use a centimeter ruler to mark the 1-cm lengths. Write the length.



Make a ten to find the total.

① $4 + 7 = \square$

$4 + 8 = \square$

$9 + 5 = \square$

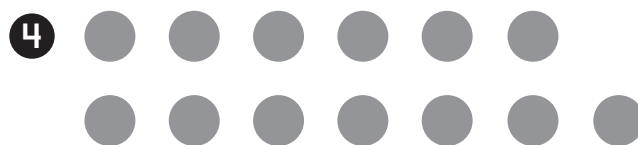
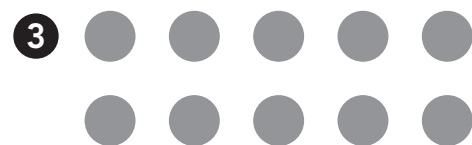
② $8 + 5 = \square$

$7 + 9 = \square$

$6 + 7 = \square$

Draw lines to make pairs.

Write odd or even.



Add.

⑤ $30 + 60 = \underline{\hspace{2cm}}$ $50 + 20 = \underline{\hspace{2cm}}$ $10 + 90 = \underline{\hspace{2cm}}$

$3 + 6 = \underline{\hspace{2cm}}$ $5 + 2 = \underline{\hspace{2cm}}$ $1 + 9 = \underline{\hspace{2cm}}$

- ⑥ **Stretch Your Thinking** Ryan measures the length of his pen. He places the end of the pen at the 1-cm mark of a ruler. Tell why the measurement will be wrong.

Look for shapes in your home and neighborhood.

- 1 List or draw objects that show squares.

- 2 List or draw objects that show rectangles.

- 3 List or draw objects that show triangles.

- 4 List or draw objects that show pentagons.

- 5 List or draw objects that show hexagons.

Find the unknown addend.

① $4 + \square = 12$

$8 + \square = 15$

$14 - \square = 9$

② $6 + \square = 12$

$5 + \square = 11$

$13 - \square = 7$

Find the total.

③
$$\begin{array}{r} 7 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 8 \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ + 4 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 8 \\ \hline \end{array}$$

$$\begin{array}{r} 12 \\ - 3 \\ \hline \end{array}$$

$$\begin{array}{r} 17 \\ - 9 \\ \hline \end{array}$$

What numbers are shown?

H = Hundreds, T = Tens, O = Ones



_____ H _____ T _____ O

_____ = _____ + _____ + _____



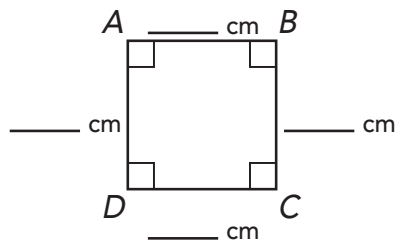
_____ H _____ T _____ O

_____ = _____ + _____ + _____

- ⑥ **Stretch Your Thinking** Ian has 2 long straws and 2 short straws. How can he use all of the straws to make a triangle?

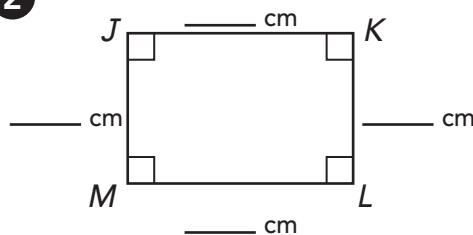
Use a centimeter ruler. Find the distance around each shape.

1



$$\begin{aligned} & \text{_____ cm} + \text{_____ cm} + \text{_____ cm} + \text{_____ cm} \\ & = \text{_____ cm} \end{aligned}$$

2

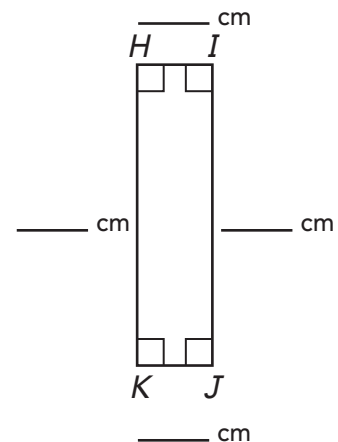


$$\begin{aligned} & \text{_____ cm} + \text{_____ cm} + \text{_____ cm} + \text{_____ cm} \\ & = \text{_____ cm} \end{aligned}$$

Estimate and then measure each side.
Then find the distance around the rectangle.

3 a. Complete the table. Use a centimeter ruler to measure.

Side	Estimate	Measure
<i>HI</i>		
<i>IJ</i>		
<i>JK</i>		
<i>KH</i>		



b. Find the distance around the rectangle.

$$\text{_____ cm} + \text{_____ cm} + \text{_____ cm} + \text{_____ cm} = \text{_____ cm}$$

Write the unknown addend.

$1 \quad 5 + \square = 13$

$4 + \square = 12$

$13 - \square = 7$

$2 \quad 8 + \square = 14$

$8 + \square = 17$

$16 - \square = 7$

Solve. Make a proof drawing.

Show your work.

- 3 Coach Walker gets a shipment of 153 uniforms. He puts them in boxes of 10. How many boxes can he fill? How many uniforms will be left over?

\square boxes \square uniforms left over

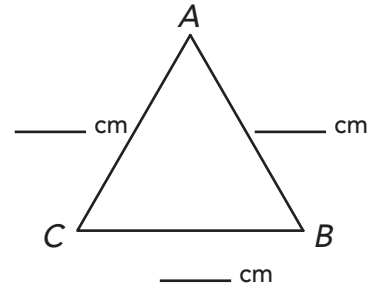
- 4 Use your centimeter ruler to draw a line segment 7 cm long. Mark and count 1-cm lengths.

- 5 **Stretch Your Thinking** Alex has a small notebook that is shaped like a rectangle. She knows one side is 6 cm and another side is 4 cm. Explain how to find the distance around the notebook without using a ruler.

Estimate and measure each side. Then find the distance around the triangle.

- 1 a. Complete the table.

Side	Estimate	Measure
<i>AB</i>		
<i>BC</i>		
<i>CA</i>		

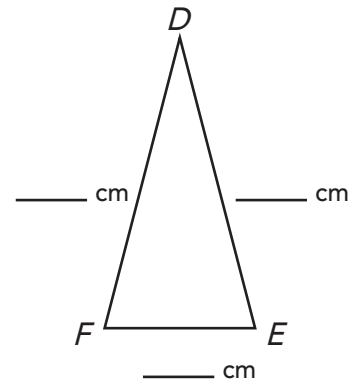


- b. Find the distance around the triangle.

$$\text{_____ cm} + \text{_____ cm} + \text{_____ cm} = \text{_____ cm}$$

- 2 a. Complete the table.

Side	Estimate	Measure
<i>DE</i>		
<i>EF</i>		
<i>FD</i>		

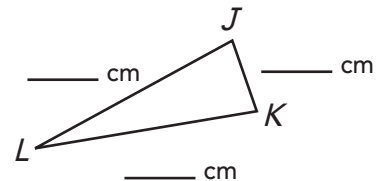


- b. Find the distance around the triangle.

$$\text{_____ cm} + \text{_____ cm} + \text{_____ cm} = \text{_____ cm}$$

- 3 a. Complete the table.

Side	Estimate	Measure
<i>JK</i>		
<i>KL</i>		
<i>LJ</i>		



- b. Find the distance around the triangle.

$$\text{_____ cm} + \text{_____ cm} + \text{_____ cm} = \text{_____ cm}$$

Find the total.

$$\begin{array}{r} 8 \\ + 5 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \\ + 7 \\ \hline \end{array}$$

$$\begin{array}{r} 6 \\ + 6 \\ \hline \end{array}$$

$$\begin{array}{r} 14 \\ - 5 \\ \hline \end{array}$$

$$\begin{array}{r} 13 \\ - 7 \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 9 \\ \hline \end{array}$$

Make a drawing for each number. Write $<$, $>$, or $=$.

$$131 \bigcirc 122$$

$$27 \bigcirc 35$$

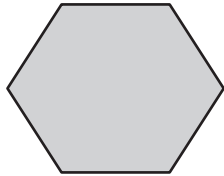
4 List or draw objects that show rectangles.

5 **Stretch Your Thinking** Draw and label two different triangles. Each shape should have a distance around it of 12 cm.

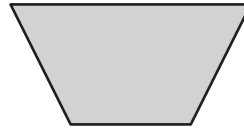
Name the shapes using the words in the box.

cube quadrilateral pentagon hexagon

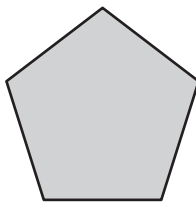
1



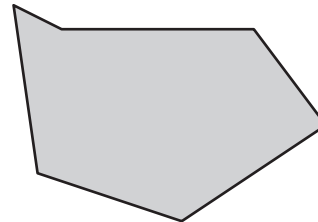
2



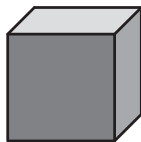
3



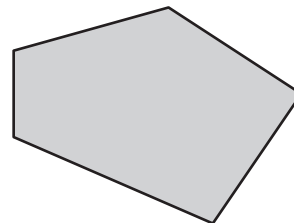
4



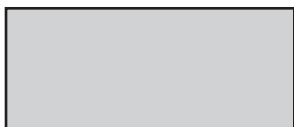
5



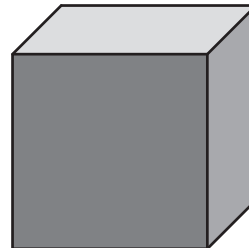
6



7



8



Make a drawing. Write an equation. Solve the problem.

- 1 Tanya bakes 12 muffins. She sells 9 of them at the bake sale. How many muffins does she have now?



_____ label

Add.

$$\begin{array}{r} 2 \quad 53 \\ + 28 \\ \hline \end{array}$$

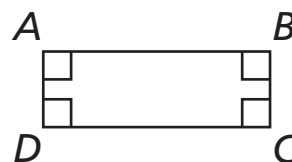
$$\begin{array}{r} 3 \quad 87 \\ + 45 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 36 \\ + 79 \\ \hline \end{array}$$

Estimate and then measure each side.
Then find the distance around the rectangle.

- 5 a. Complete the table. Use a centimeter ruler to measure.

Side	Estimate	Measure
<i>AB</i>		
<i>BC</i>		
<i>CD</i>		
<i>DA</i>		



- b. Find the distance around the rectangle.

$$\text{_____ cm} + \text{_____ cm} + \text{_____ cm} + \text{_____ cm} = \text{_____ cm}$$

- 6 **Stretch Your Thinking** Write all the names you can think of that could describe a four-sided shape.

Complete the table. Estimate the height of six people, pets, or objects. Find the actual heights. Then, subtract to find the difference between your estimate and the actual measurement.

Person, Pet, or Object	Estimated Height (cm)	Actual Height (cm)	Difference Between Estimated and Actual Height (cm)

Make a drawing. Write an equation. Solve the problem.

- 1 Chase has some music CDs. 9 of them are rock music. The other 8 are pop music. How many CDs does Chase have?



_____ label

Add. Use any method.

$$\begin{array}{r} 2 \quad 68 \\ + 35 \\ \hline \end{array}$$

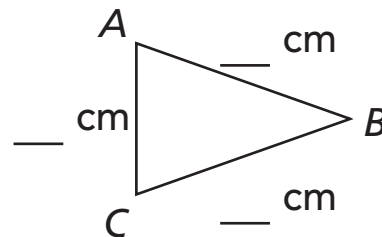
$$\begin{array}{r} 3 \quad 52 \\ + 79 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 84 \\ + 86 \\ \hline \end{array}$$

Estimate and then measure each side.
Then find the distance around the triangle.

- 5 a. Complete the table.

Side	Estimate	Measure
<i>AB</i>		
<i>BC</i>		
<i>CA</i>		



- b. Find the distance around the triangle.

$$\underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} + \underline{\hspace{1cm}} \text{ cm} = \underline{\hspace{1cm}} \text{ cm}$$

- 6 **Stretch Your Thinking** Find two items in the classroom whose lengths you estimate to have a difference of 3 cm. Then measure each item.

Item 1 Estimate: _____ cm Measure: _____ cm

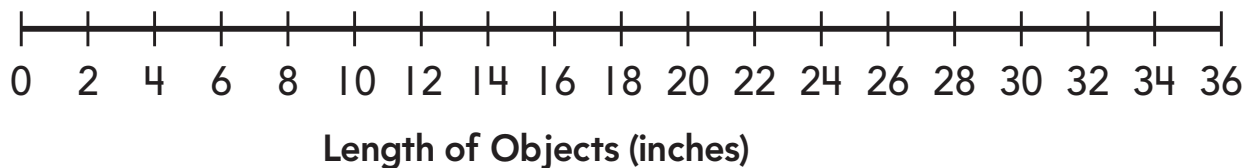
Item 2 Estimate: _____ cm Measure: _____ cm

Difference between Item 1 and Item 2: _____ cm

- 1 Find five objects at home to measure in inches.
Choose objects that are less than 1 yard (36 in.) long.
Estimate and measure the length of each object.
Measure to the nearest inch. Complete the table.

Object	Estimated Length (in.)	Measured Length (in.)

- 2 Plot the data from the last column in Exercise 1 on the line plot.



- 3 Find five objects at home to measure in feet or yards.
Complete the table. Remember to include units with
your measurements.

Object	Measured Length (ft or yd)

Make a matching drawing or draw comparison bars. Solve the problem.

Show your work.

- ① Erin has 6 grapes. Cody has 8 more grapes than Erin. How many grapes does Cody have?



_____ label

Under the coins, write the total amount of money so far. Then write the total using \$.

- ② 10¢ 10¢ 5¢ 5¢ 1¢ 1¢



\$ ____ . ____
total

Label the shapes using the words in the box.

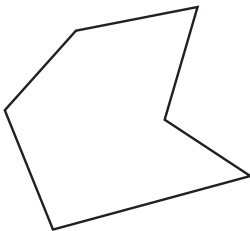
cube

quadrilateral

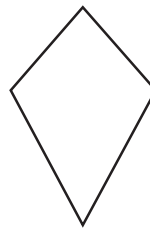
pentagon

hexagon

③



④

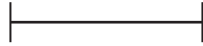


- ⑤ **Stretch Your Thinking** Explain why we use rulers instead of hands or fingers to measure things.

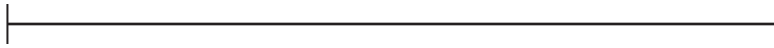
1 Measure each line segment.



_____ in.



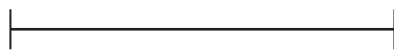
_____ in.



_____ in.

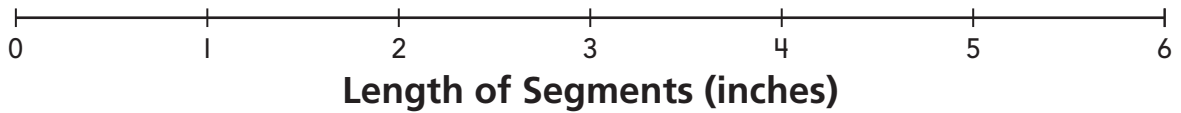


_____ in.

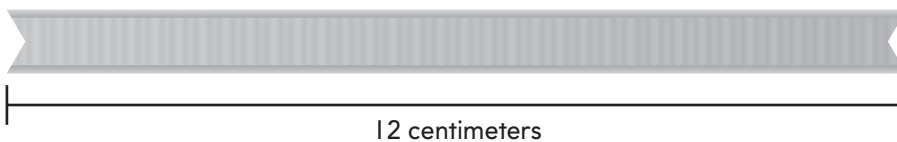


_____ in.

2 Show the data from Exercise 1 on this line plot.



3 Ring *more* or *less*.



The number of inches will be *more* *less* than the number of centimeters.

Solve the problem.

Show your work.

- 1 Mya has a stack of 15 cups. There are 7 short cups and some tall cups in the stack. She uses 3 tall cups. How many tall cups are in the stack now?

label

Add.

$$\begin{array}{r} 2 \quad 74 \\ + 15 \\ \hline \end{array}$$

$$\begin{array}{r} 3 \quad 47 \\ + 26 \\ \hline \end{array}$$

$$\begin{array}{r} 4 \quad 58 \\ + 34 \\ \hline \end{array}$$

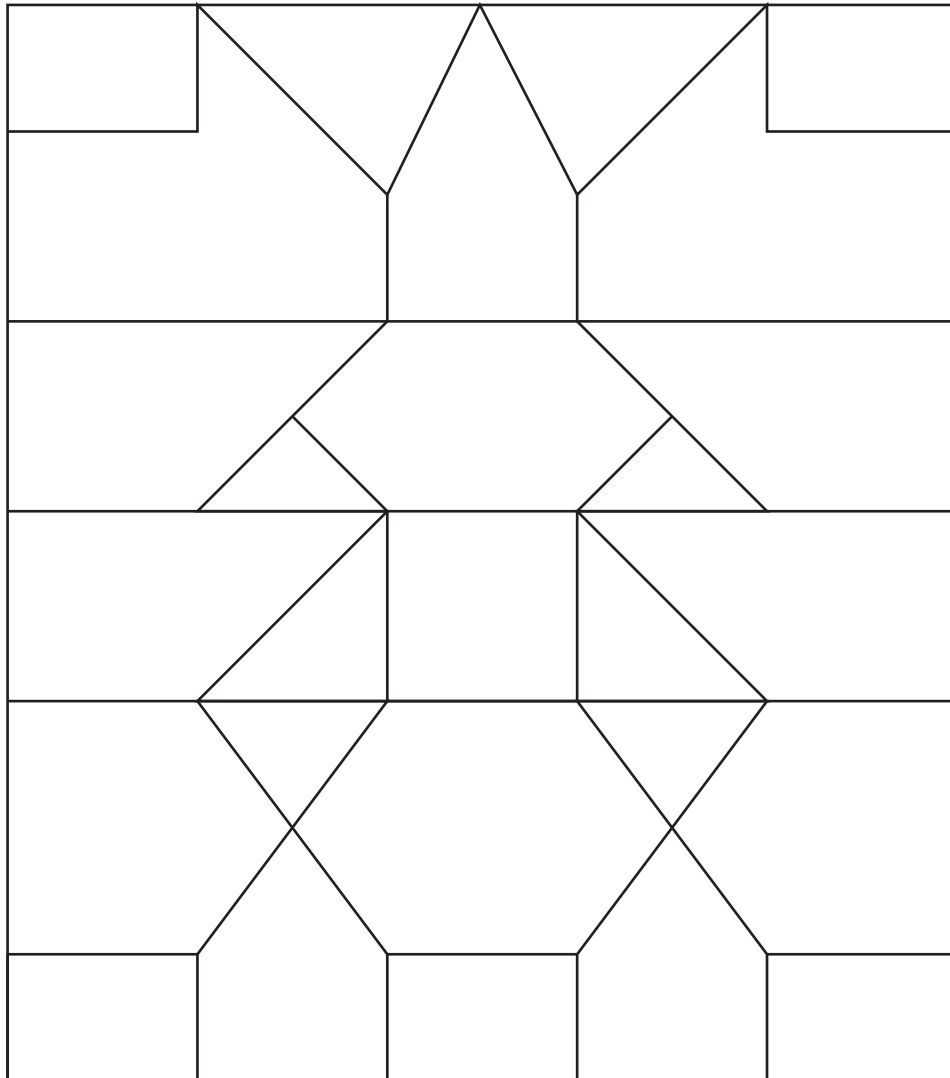
- 5 Find two objects to measure in inches. Estimate and measure the length of each object. Measure to the nearest inch. Complete the table.

Object	Estimated length (in.)	Measured length (in.)

- 6 **Stretch Your Thinking** Juan and Brooke each measured the length of the same paper clip correctly. Juan says the paper clip is about 5. Brooke says it is about 2. Explain how they can both be correct.

Color the quilt pattern. Use the table below.

Shape	Color
triangle	green
quadrilateral	red
pentagon	purple
hexagon	yellow



Make a drawing. Write an equation.
Solve the problem.

- ❶ Evan has 4 markers. That is 7 fewer markers than Jenna has. How many markers does Jenna have?



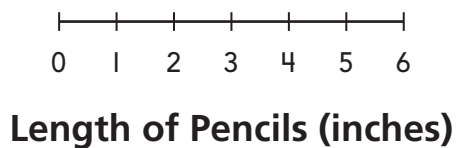
_____ label

Add.

❷ $14 + 22 + 57 = \boxed{}$

❸ $36 + 18 + 24 = \boxed{}$

- ❹ Show the data from the table on the line plot.



Length of Pencils (inches)
5 inches
2 inches
4 inches
3 inches
5 inches

- ❺ **Stretch Your Thinking** Show an example of how you could put two triangles together to make a larger triangle. Show an example of how you can put two triangles together to make a quadrilateral.