

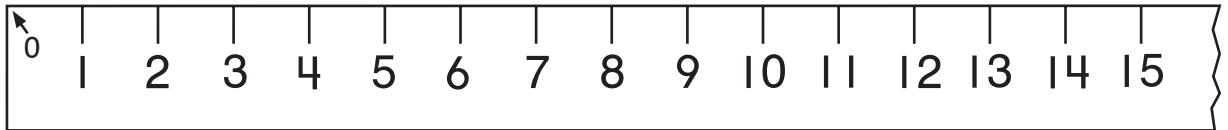
# Challenge

## Drawing Snakes

Draw 2 snakes head to tail above each centimeter ruler to equal each measurement. Write an equation to show the total length of the 2 snakes together.

1. Snake 1 is 8 cm long.

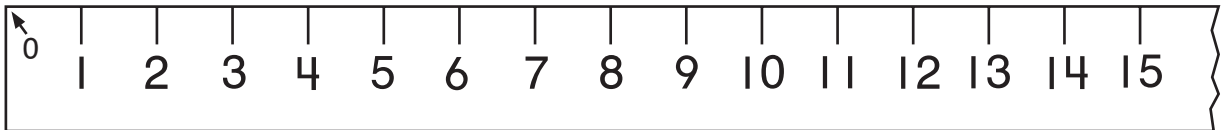
Snake 2 is 3 cm long.



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2. Snake 1 is 5 cm long.

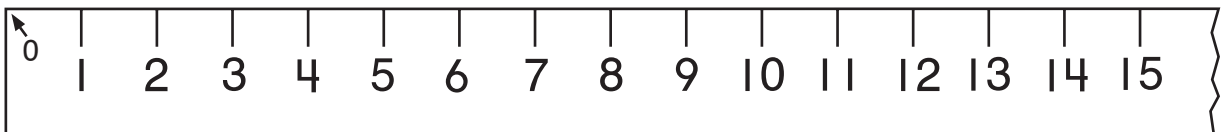
Snake 2 is 7 cm long.



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3. Snake 1 is 4 cm long.

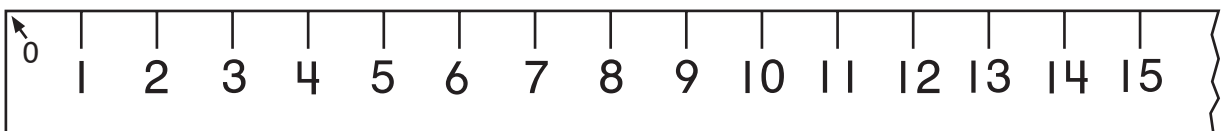
Snake 2 is 9 cm long.



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4. Snake 1 is 7 cm long.

Snake 2 is 7 cm long.



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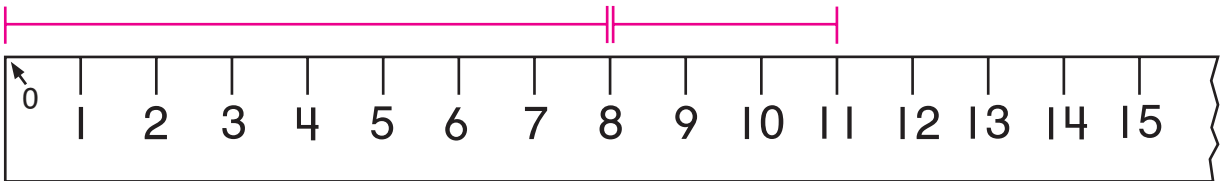
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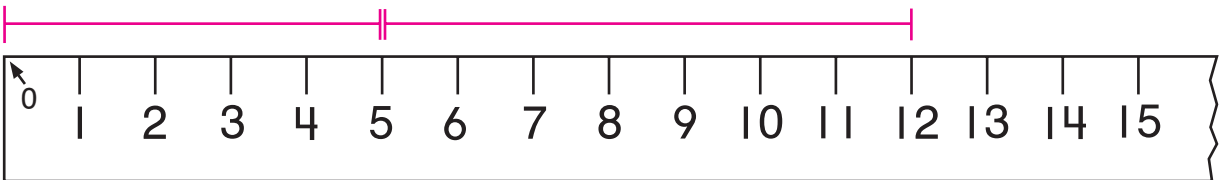
Snake 2 is 3 cm long.



$$8 \text{ cm} + 3 \text{ cm} = 11 \text{ cm}$$

2. Snake 1 is 5 cm long.

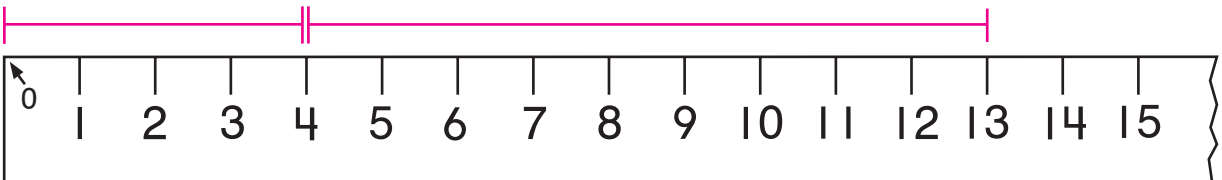
Snake 2 is 7 cm long.



$$5 \text{ cm} + 7 \text{ cm} = 12 \text{ cm}$$

3. Snake 1 is 4 cm long.

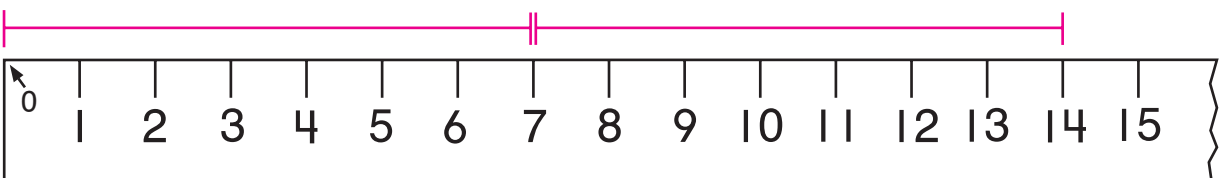
Snake 2 is 9 cm long.



$$4 \text{ cm} + 9 \text{ cm} = 13 \text{ cm}$$

4. Snake 1 is 7 cm long.

Snake 2 is 7 cm long.

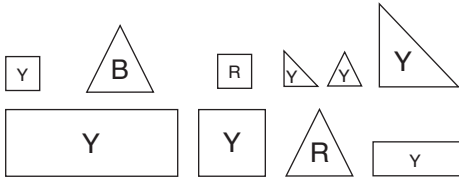


$$7 \text{ cm} + 7 \text{ cm} = 14 \text{ cm}$$

# Challenge

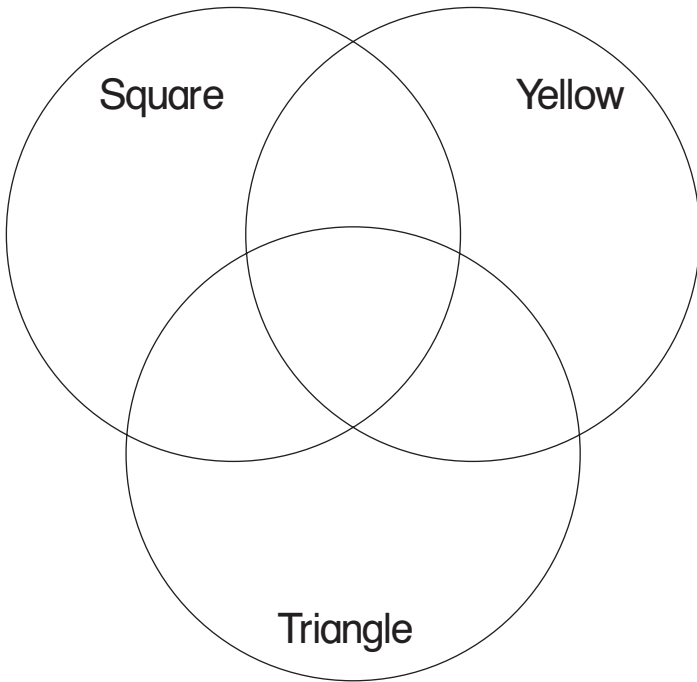
## Venn Diagrams

A Venn diagram is used to sort shapes.



R means red.  
B means blue.  
Y means yellow.

- The sorting rule is square, yellow, and triangle. Draw and color to show how you could sort the shapes above into the Venn diagram.



- Extend It** On a separate sheet of paper use a different rule to sort another set of shapes in a Venn diagram. On the lines below, explain how you sorted your shapes.

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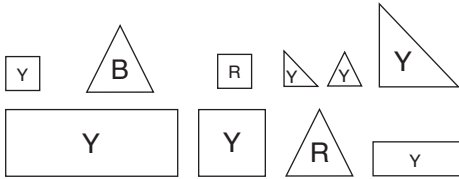


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# Challenge

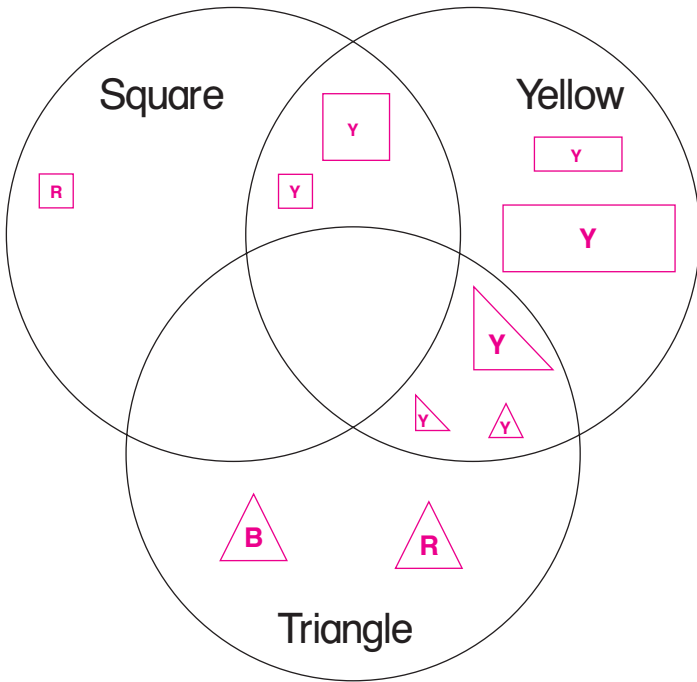
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**Answers will vary.**

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## Challenge

### Find the Perimeter

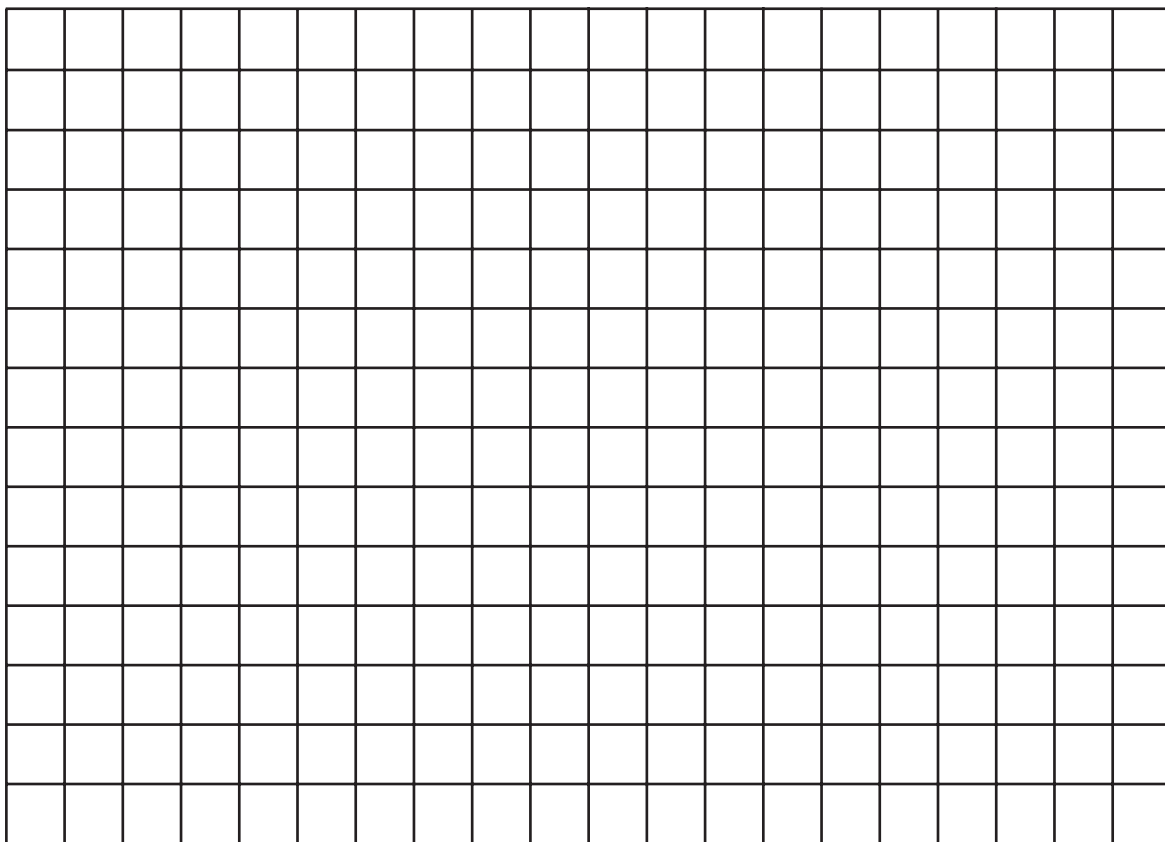
Use the grid paper to make shapes with each perimeter.  
See how many different shapes you can make with the  
same perimeter.

Perimeter = 12 units

Perimeter = 16 units

Perimeter = 24 units

Perimeter = 30 units



## Challenge

### Find the Perimeter

Use the grid paper to make shapes with each perimeter.  
See how many different shapes you can make with the  
same perimeter.

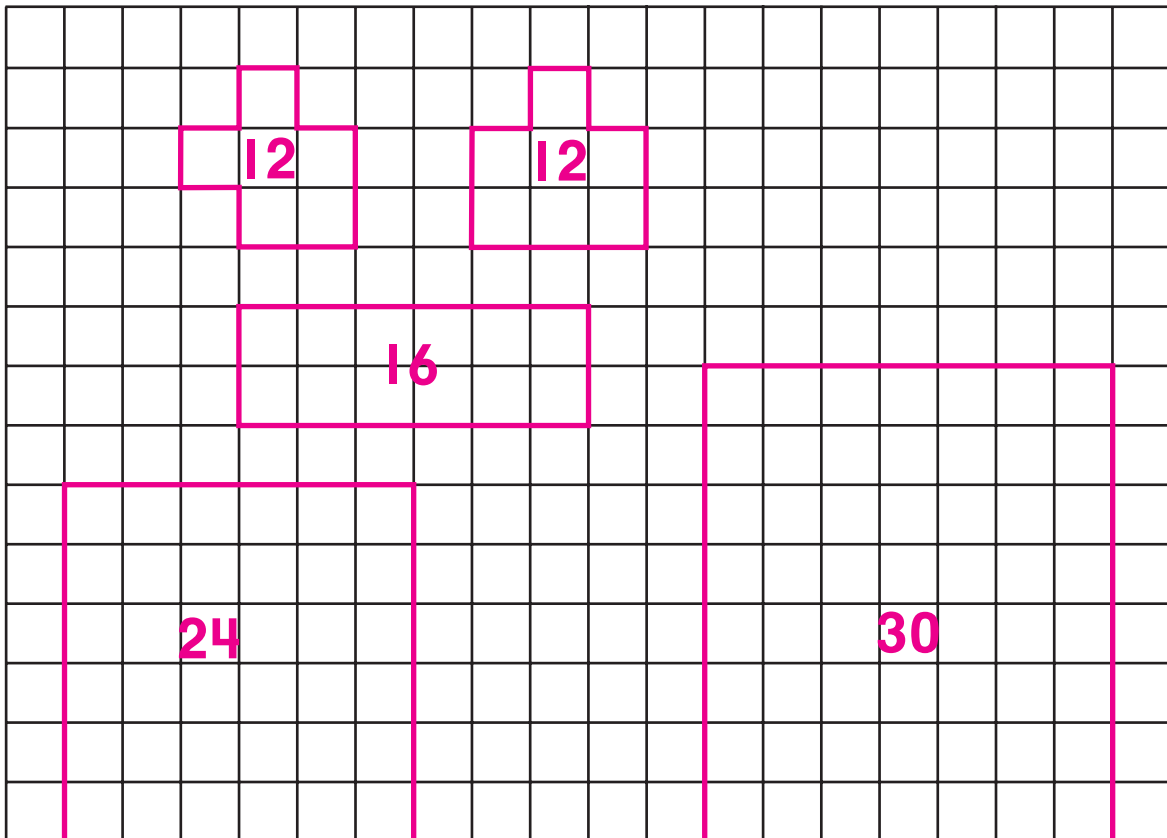
Perimeter = 12 units

Perimeter = 16 units

Perimeter = 24 units

Perimeter = 30 units

**Drawings will vary. Check children's work.**

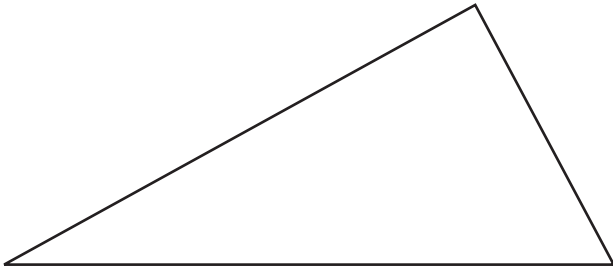


# Challenge

## Measure Up

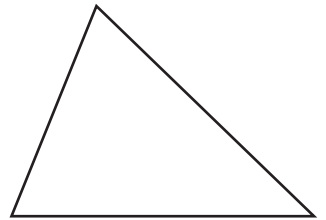
Measure each triangle with a centimeter ruler. Round the measures if you need to. Write the equation you used to find each perimeter.

1.



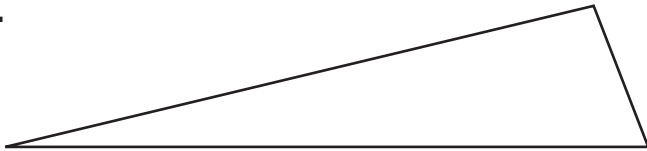
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2.



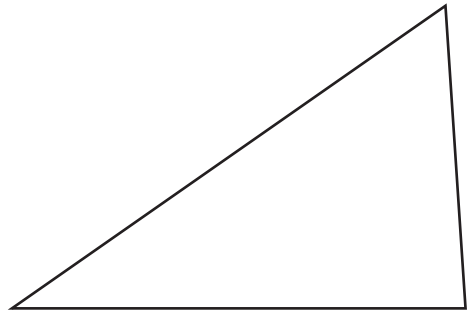
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3.



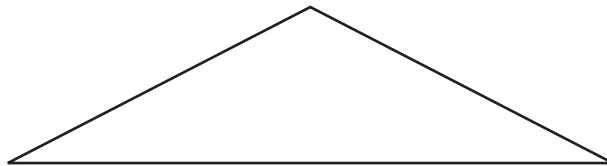
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4.



\_\_\_\_\_

5.



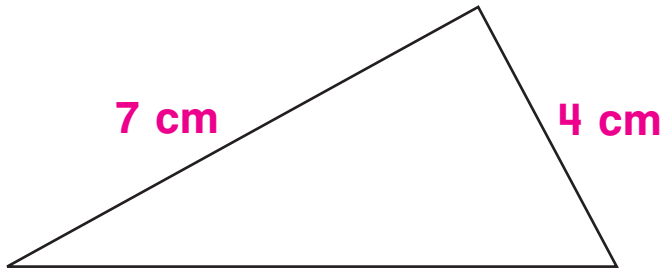
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# Challenge

## Measure Up

Measure each triangle with a centimeter ruler. Round the measures if you need to. Write the equation you used to find each perimeter.

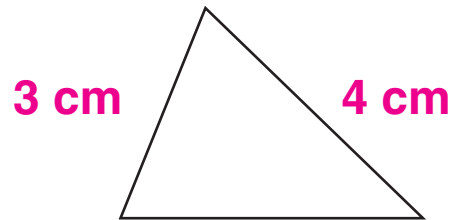
1.



8 cm

$$\underline{4 \text{ cm} + 8 \text{ cm} + 7 \text{ cm} = 19 \text{ cm}}$$

2.



4 cm

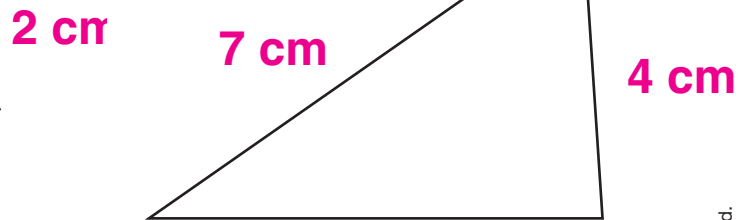
$$\underline{4 \text{ cm} + 4 \text{ cm} + 3 \text{ cm} = 11 \text{ cm}}$$

3.

 $8\frac{1}{2}$  cm

$$\underline{8 \text{ cm} + 9 \text{ cm} + 2 \text{ cm} = 19 \text{ cm}}$$

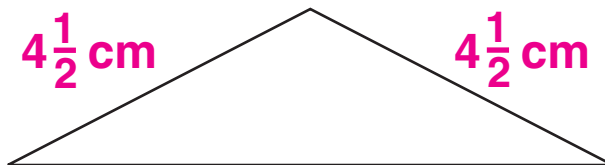
4.



6 cm

$$\underline{7 \text{ cm} + 4 \text{ cm} + 6 \text{ cm} = 17 \text{ cm}}$$

5.



8 cm

$$\underline{5 \text{ cm} + 5 \text{ cm} + 8 \text{ cm} = 18 \text{ cm}}$$