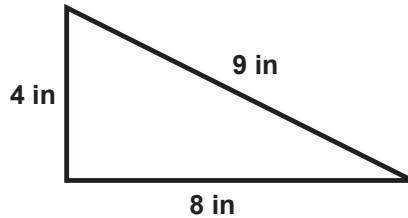**Math Antics**
Worksheets

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## Finding the Perimeter of Triangles

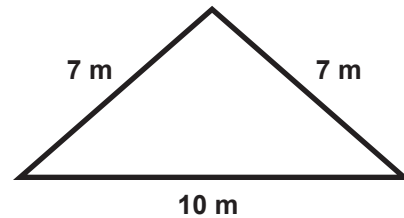**Instructions:** Find the perimeter of each triangle by adding up the lengths of its three sides. Don't forget your units!
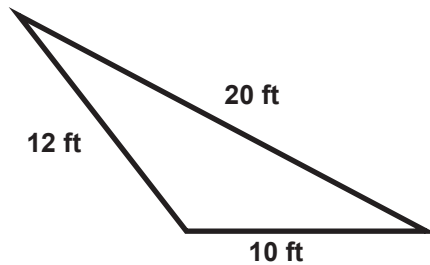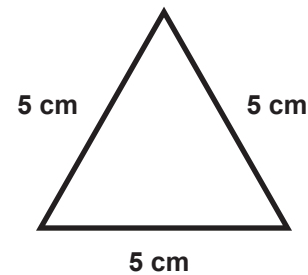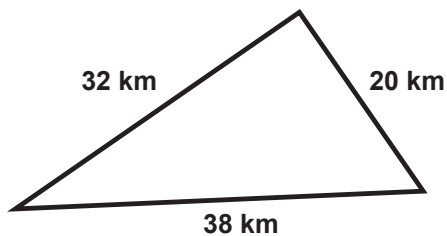
**1**

9 in
4 in
8 in

8 + 9 + 4 = ⟨21 in⟩

**2**

7 m    7 m
10 m

**3**

20 ft
12 ft
10 ft

**4**

5 cm    5 cm
5 cm

**5**

32 km    20 km
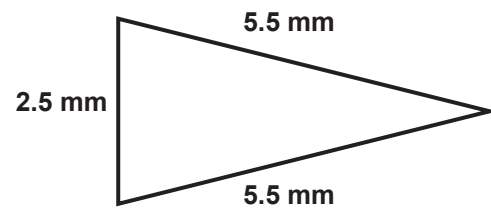38 km
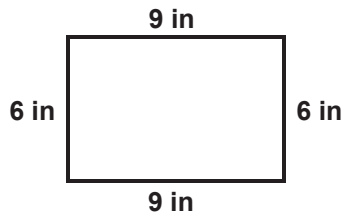
**6**

5.5 mm
2.5 mm
5.5 mm

Name: _____

Date: _____
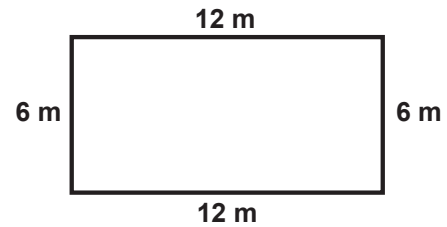
## Finding the Perimeter of Rectangles

**Instructions:** Find the perimeter of each rectangle by adding up the lengths of its four sides. Remember that you can add the sides in any order you want to. Don't forget your units!
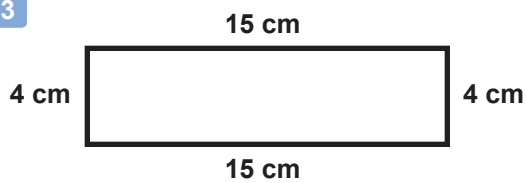
**1**

9 in

6 in          6 in

9 in

$9 + 9 = 18$

$6 + 6 = 12$

$\overset{1}{1}8$

$+ 12$

$30 \text{ in}$

**2**

12 m

6 m          6 m

12 m

**3**

15 cm

4 cm          4 cm

15 cm

**4**

32 mm

19 mm          19 mm

32 mm

**5**

72 yd

40 yd          40 yd

72 yd

**6**

6 m

$7\frac{1}{2}$ m          $7\frac{1}{2}$ m

6 m

**Math Antics**
**Worksheets**

Name: _____

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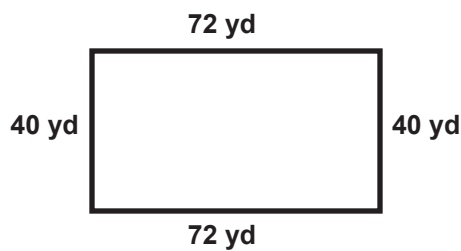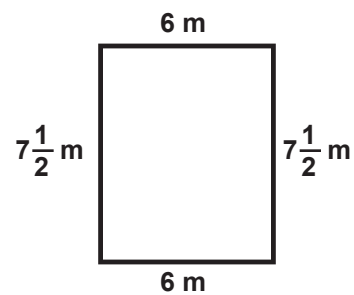
## Finding the Perimeter of Polygons

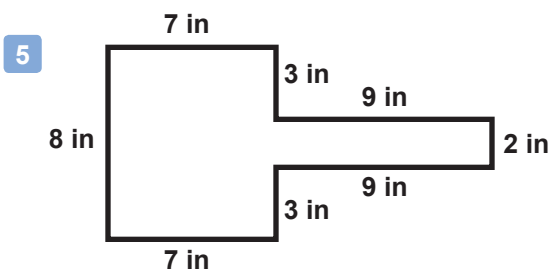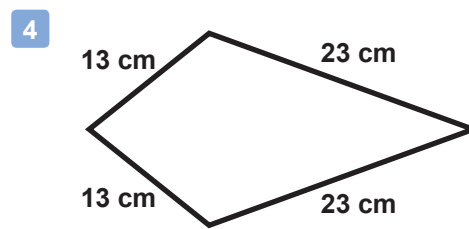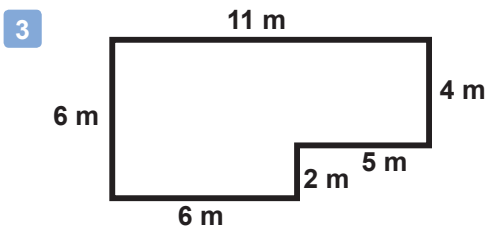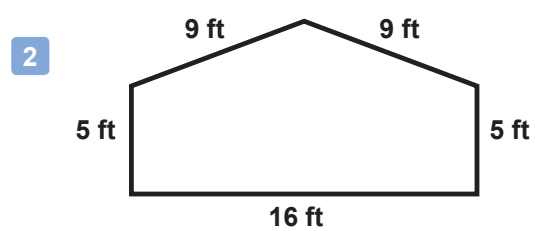**Instructions:** Find the perimeter of each polygon by adding up the lengths of all of its sides. You can add the sides in any order you want to. Don't forget your units!

**1**

5 m
7 m
5 m
10 m

$5 + 5 + 10 + 7 =$ ⬭ 27 m

**2**

9 ft    9 ft
5 ft    5 ft
16 ft

**3**

11 m
6 m
4 m
2 m    5 m
6 m

**4**

13 cm    23 cm
13 cm    23 cm

**5**

7 in
3 in
9 in
8 in    2 in
9 in
3 in
7 in

**6**

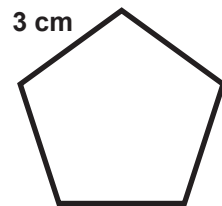4 m    3 m
4.5 m
4.5 m    4 m
3 m

Name: _____

Date: _____
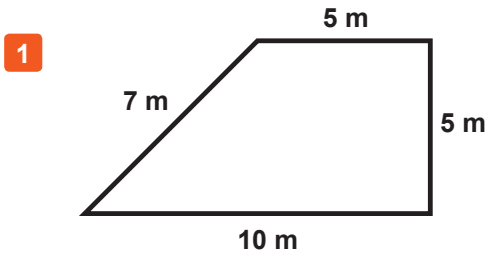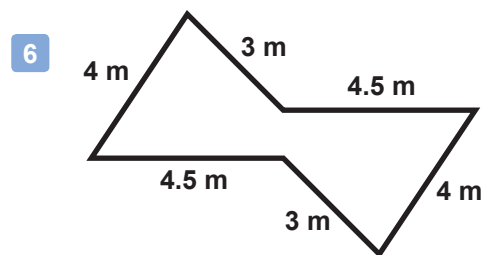
## Finding the Perimeter of Regular Polygons

**Instructions:** Find the perimeter of each **regular** polygon by adding up the lengths of all its sides. Since these are regular polygons, you can <u>use multiplication as a shortcut</u>. Don't forget your units!
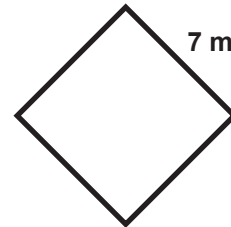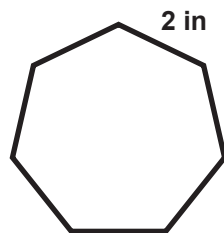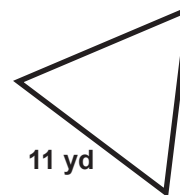
**1**   3 cm

5 equal sides, 3 cm per side

5 × 3 = (15 cm)

**2**   7 m

**3**   2 in

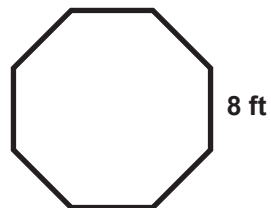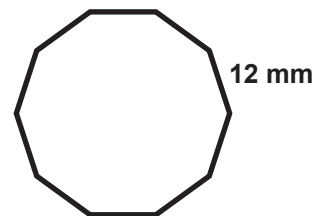**4**   11 yd
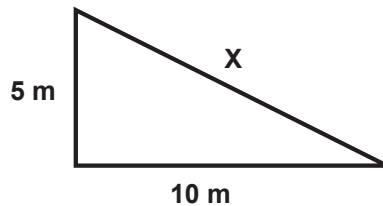
**5**   8 ft

**6**   12 mm

Name: _____

Date: _____

# Using the Perimeter to Find a Missing Side

**Instructions:** Use the perimeter of each polygon to figure out the length of the missing side (X). (Hint: Subtract the sum of the sides you *do* know from the total perimeter and see what is left over.)
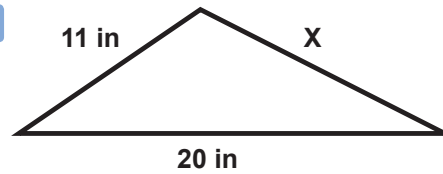
**1**

X

5 m
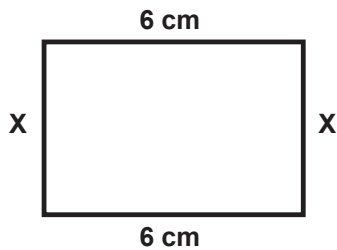
10 m

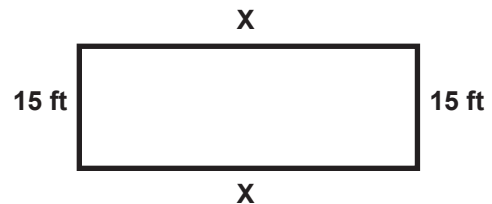Perimeter = 26 m

X = 26 - (5 + 10)
X = 26 - 15
X = 11 m

**2**

11 in    X

20 in

Perimeter = 44 in

**3**

6 cm

X          X

6 cm

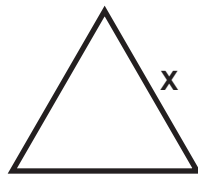Perimeter = 20 cm

**4**

X

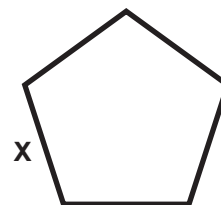15 ft          15 ft

X

Perimeter = 114 ft

**5** This equilateral triangle has a perimeter of 60 mm. What is the length of side X?

X

**6** This regular pentagon has a perimeter of 25 km. What is the length of side X?

X

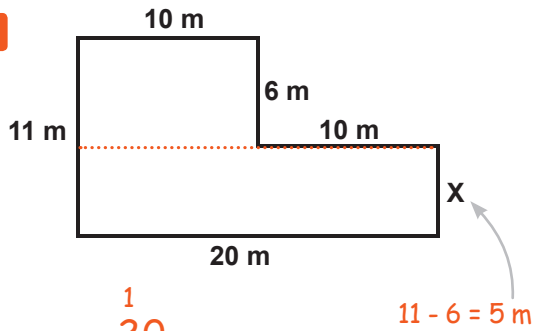![Math Antics Worksheets logo]

Name: _____

Date: _____
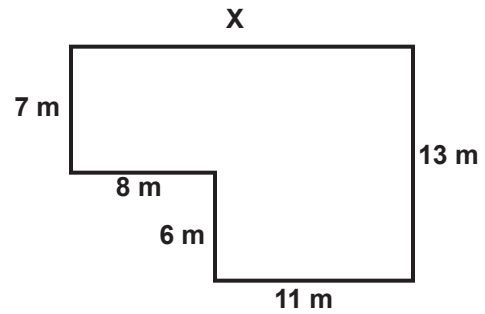
# Perimeter : Missing Information Problems

**Instructions:** Find the perimeter of each polygon.  (Hint: Use what you *do* know to figure out what you *don't* know.)  Remember that you can add up the sides in any order that is easiest for you.
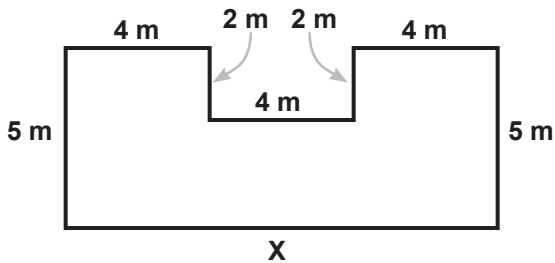
**1**

10 m

6 m

11 m          10 m

X

20 m

11 - 6 = 5 m

$$\begin{array}{r} \overset{1}{\phantom{0}}20 \\ 10 \\ 10 \\ 11 \\ 5 \\ +\phantom{0}6 \\ \hline 62\,\text{m} \end{array}$$

**2**

X

7 m

8 m

6 m

13 m

11 m

**3**

4 m     2 m   2 m     4 m

4 m

5 m                    5 m

X

**4**

X

7 m          7 m

5 m

5 m         10 m

5 m     5 m

10 m