math Antics Worksheets

Name: _____

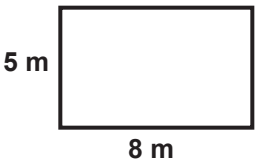
Date: _____

Finding the Area of Quadrilaterals

G-AREA 1

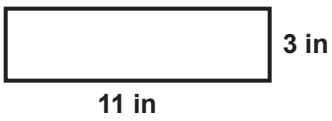
Instructions: Find the area of each square or rectangle using the formula: $A = L \times W$.

1



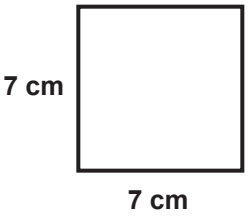
$A = 5 \times 8 =$ 40 m^2

2



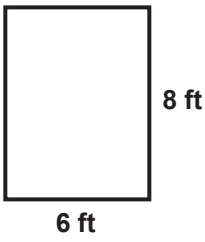
$A = 3 \times 11 =$ 33 in^2

3



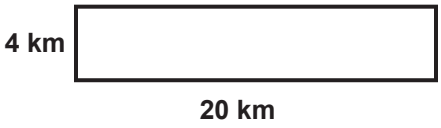
$A = 7 \times 7 =$ 49 cm^2

4



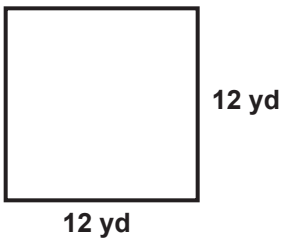
$A = 8 \times 6 =$ 48 ft^2

5



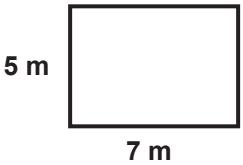
$A = 4 \times 20 =$ 80 km^2

6



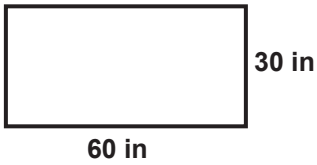
$A = 12 \times 12 =$ 144 yd^2

7



$A = 5 \times 7 =$ 35 m^2

8



$A = 30 \times 60 =$ 1,800 in^2

math Antics Worksheets

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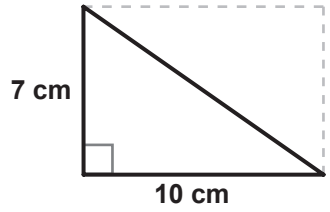
Finding the Area of Triangles

G-AREA 2

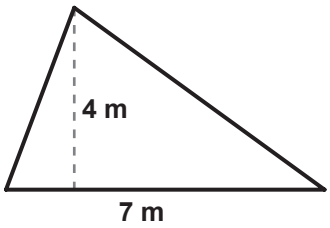
Instructions: Find the area of each triangle using the formula: A = 1/2 (B × H)

1



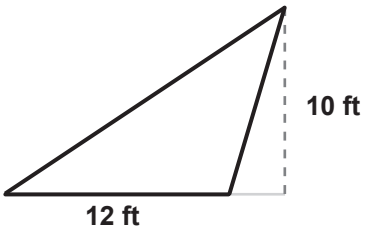
$A = \frac{1}{2}(10 \times 7) = \frac{70}{2} = 35\ cm^2$

2



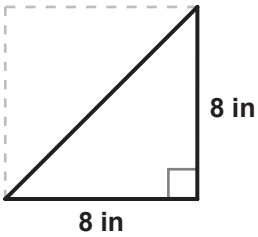
$A = \frac{1}{2}(7 \times 4) = \frac{28}{2} = 14\ m^2$

3



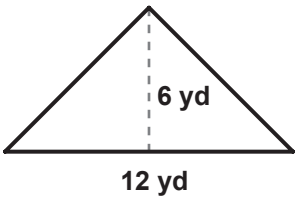
$A = \frac{1}{2}(12 \times 10) = \frac{120}{2} = 60\ ft^2$

4



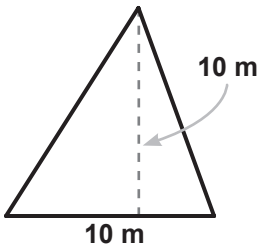
$A = \frac{1}{2}(8 \times 8) = \frac{64}{2} = 32\ in^2$

5



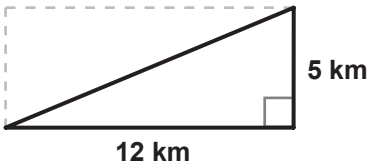
$A = \frac{1}{2}(12 \times 6) = \frac{72}{2} = 36\ yd^2$

6



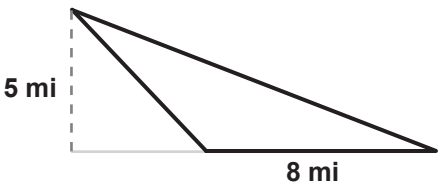
$A = \frac{1}{2}(10 \times 10) = \frac{100}{2} = 50\ m^2$

7



$A = \frac{1}{2}(12 \times 5) = \frac{60}{2} = 30\ km^2$

8



$A = \frac{1}{2}(8 \times 5) = \frac{40}{2} = 20\ mi^2$

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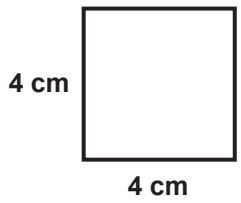
Finding the Area: Mixed Practice

G-AREA 3

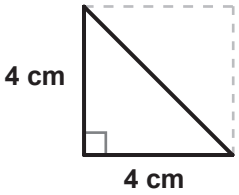
Instructions: Find the area of each shape using the formulas you learned in the video.

1



$A = 4 \times 4 = 16\ cm^2$

2

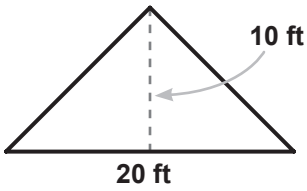


$A = \frac{1}{2}(4 \times 4) = \frac{16}{2} = 8\ cm^2$

3

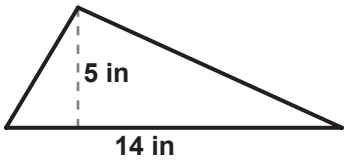
$A = 20 \times 10 = 200\ ft^2$

4



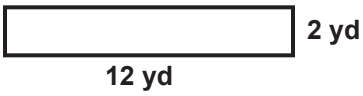
$A = \frac{1}{2}(20 \times 10) = \frac{200}{2} = 100\ ft^2$

5



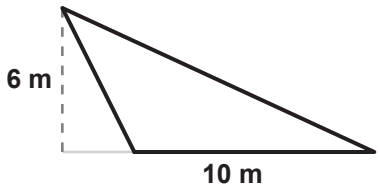
$A = \frac{1}{2}(14 \times 5) = \frac{70}{2} = 35\ in^2$

6



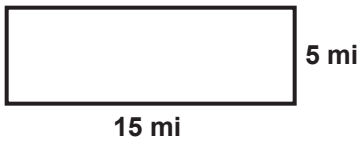
$A = 2 \times 12 = 24\ yd^2$

7



$A = \frac{1}{2}(10 \times 6) = \frac{60}{2} = 30\ m^2$

8



$A = 15 \times 5 = 75\ mi^2$

math Antics Worksheets

Name: _____

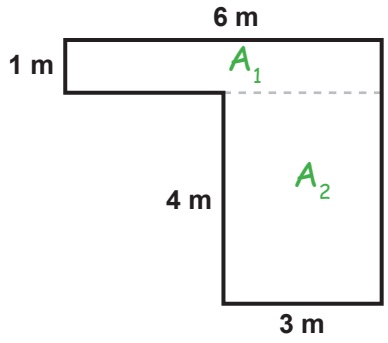
Date: _____

Finding the Area of Composite Shapes - Set 1

G-AREA 4

Instructions: Each of these shapes is some combination of quadrilaterals and/or triangles. Find the area of the shape by finding the area of each part that forms it and then adding them up.

1

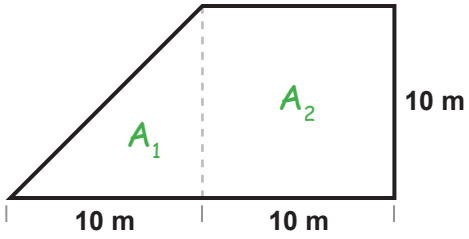


$A_1 = 1 \times 6 = 6 \text{ m}^2$

$A_2 = 4 \times 3 = 12 \text{ m}^2$

total
12
+ 6
18 m²

2

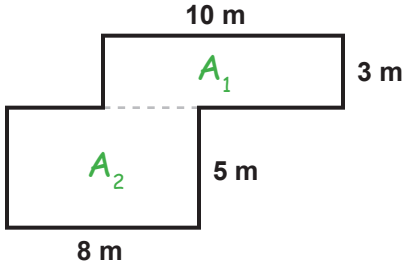


$A_1 = \frac{1}{2}(10 \times 10) = \frac{100}{2} = 50 \text{ m}^2$

$A_2 = 10 \times 10 = 100 \text{ m}^2$

total
100
+ 50
150 m²

3

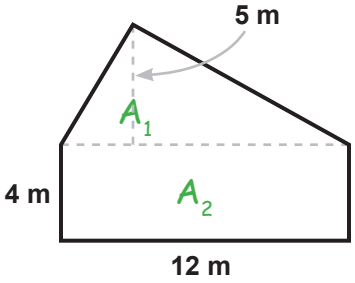


$A_1 = 3 \times 10 = 30 \text{ m}^2$

$A_2 = 5 \times 8 = 40 \text{ m}^2$

total
30
+ 40
70 m²

4



$A_1 = \frac{1}{2}(12 \times 5) = \frac{60}{2} = 30 \text{ m}^2$

$A_2 = 4 \times 12 = 48 \text{ m}^2$

total
30
+ 48
78 m²

math Antics Worksheets

Name: _____

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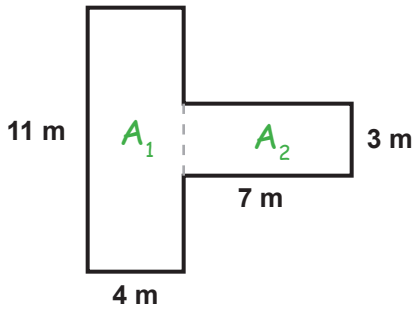
Finding the Area of Composite Shapes - Set 2

G-AREA 5

Instructions: Each of these shapes is some combination of quadrilaterals and/or triangles. Find the area of the shape by finding the area of each part that forms it and then adding them up.

1



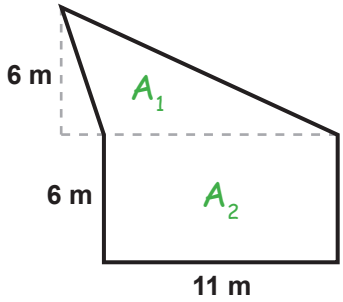
$A_1 = 4 \times 11 = 44 \text{ m}^2$

$A_2 = 7 \times 3 = 21 \text{ m}^2$

total

44
+ 21
65 m²

2



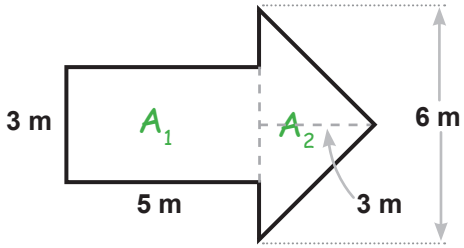
$A_1 = \frac{1}{2}(11 \times 6) = \frac{66}{2} = 33 \text{ m}^2$

$A_2 = 11 \times 6 = 66 \text{ m}^2$

total

33
+ 66
99 m²

3



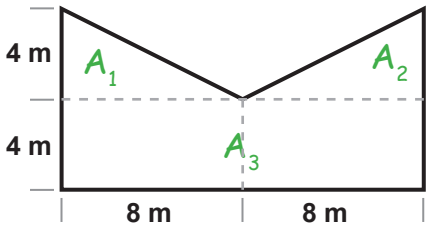
$A_1 = 3 \times 5 = 15 \text{ m}^2$

$A_2 = \frac{1}{2}(6 \times 3) = \frac{18}{2} = 9 \text{ m}^2$

total

15
+ 9
24 m²

4



$A_1 = \frac{1}{2}(8 \times 4) = \frac{32}{2} = 16 \text{ m}^2$

$A_2 =$ same as $A_1 = 16 \text{ m}^2$

$A_3 = 4 \times 16 = 64 \text{ m}^2$

total

1
16
16
+ 64
96 m²

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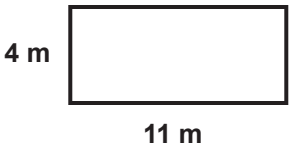
Finding Area and Perimeter

G-AREA 6

Instructions: Now that you know how to find both the perimeter and area, find both quantities for each of the following shapes. Don't forget to include the units in your answers!

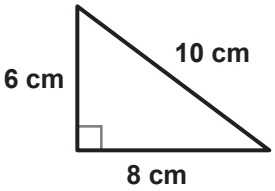
1



$P = 4 + 11 + 4 + 11 =$ 30 m

$A = 4 \times 11 =$ 44 m^2

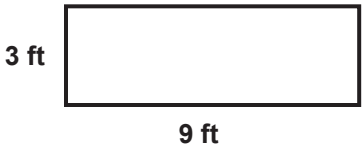
2



$P = 6 + 8 + 10 =$ 24 cm

$A = \frac{1}{2}(8 \times 6) = \frac{48}{2} =$ 24 cm^2

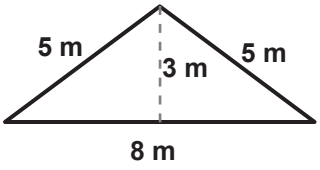
3



$P = 3 + 9 + 3 + 9 =$ 24 ft

$A = 3 \times 9 =$ 27 ft^2

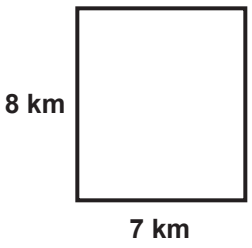
4



$P = 5 + 5 + 8 =$ 18 m

$A = \frac{1}{2}(8 \times 3) = \frac{24}{2} =$ 12 m^2

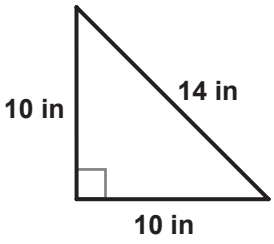
5



$P = 7 + 8 + 7 + 8 =$ 30 km

$A = 7 \times 8 =$ 56 km^2

6



$P = 10 + 10 + 14 =$ 34 in

$A = \frac{1}{2}(10 \times 10) = \frac{100}{2} =$ 50 in^2