

Name:

Block:

Intro to Geometry 2 - Areas of Building Blocks

Check your answers against those on my website as you work! Don't wait until you're done.

Complete the following review problems: (Complete all)

Evaluate $\frac{1}{2} + \frac{2}{3} \cdot \frac{3}{4} - 2$

Solve: $2x - 4 = 3(2x - 10)$

$\frac{1}{2}x - 4 = -2(3x - 1)$

Write the formula for the area of each shape: (Complete all)

Triangle

Square

Rectangle

Circle

Compute the area of the described shape: (Complete some)

1) A triangle with base 2cm and height 7cm.

5) A triangle with base 12cm and height 1cm.

2) A square with side length 12cm.

6) A square with side length 1.1m.

3) A rectangle with side lengths 8u and 10u.

7) A rectangle with sides 4mm and 21mm.

4) A circle with radius 8m.

8) A circle with a **diameter** of 10cm.

9) A triangle with base 11cm and height 40cm.

11) A rectangle with side lengths 50cm and 18cm.

10) A square with side length 0.2m.

12) A circle with radius 3cm.

Solve for the missing (or indicated) value: (Complete some)

1) A triangle with area 24cm^2 and base 8cm. (height) 6) A square with area 50cm^2 .

2) A square with area 81cm^2 . (side)

7) A rectangle with area 1400cm^2 and side 20cm.

3) A rectangle with area 95m^2 and side 19m. (side)

8) A circle with area 6.28m^2 (radius)

4) A circle with area 314cm^2 . (radius)

9) A circle with area 200cm^2 (diameter)

5) A triangle with area 100km^2 and height 50km.

10) A circle with area 1000m^2 (circumference)