Area of Triangles and Quadrilaterals

Math

Name _____ Class _____ Date _____

Match each of the following terms to its definition:

Isosceles triangle   **Area of a rectangle**   **Surface area**   **Scalene triangle**
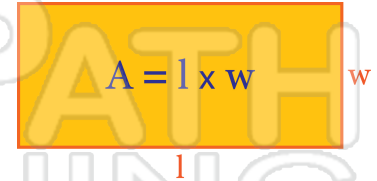
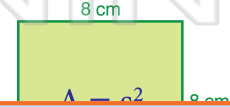**Right triangle**   **Area of a square**   **Area of a triangle**   **Equilateral triangle**

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1. _____ - all of the space inside the shape; area (A) of a rectangle equals the length (l) times the width (w): A = l x w

$$A = l \times w$$

w

l

2. _____ - all of the space inside the shape; area (A) of a square equals the length of a side (s) times length of a side (s); A = s x s
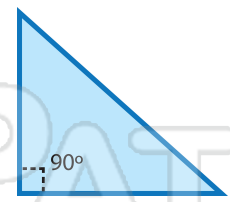
8 cm

$A = s^2$ 8 cm

3. ___
triang
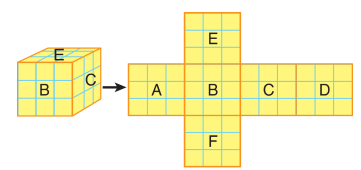the tr

4. __

5. __

5 cm

6. _____ - a triangle with a right angle (90 degrees)

90°

7. _____ - a triangle with sides of all different lengths

8. _____ - a measure of the total area that the surface of a solid object occupies; the total sum of the areas of the faces of a solid figure

E
B   C
A   B   C   D
F

Surface Area = A + B + C + D + E + F

ANSWER KEY

Match each of the following terms to its definition:

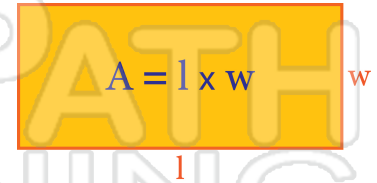|			
Isosceles triangle	**Area of a rectangle**	**Surface area**	**Scalene triangle**
Right triangle	**Area of a square**	**Area of a triangle**	**Equilateral triangle**

1. Area of a rectangle - all of the space inside the shape; area (A) of a rectangle equals the length (l) times the width (w): A = l x w

$$A = l \times w$$

2. Area of a square - all of the space inside the shape; area (A) of a square equals the length of a side (s) times length of a side (s); A = s x s
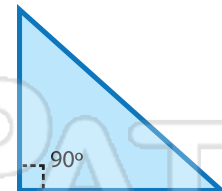
8 cm

3. Ar
a tria
the tr

4. Ec
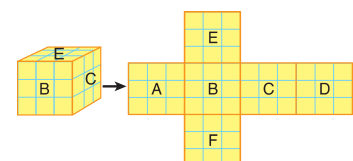
5. Iso
lengt

5 cm
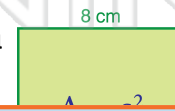
6. Right triangle - a triangle with a right angle (90 degrees)

90°

7. Scalene triangle - a triangle with sides of all different lengths

8. Surface area - a measure of the total area that the surface of a solid object occupies; the total sum of the areas of the faces of a solid figure

E
B C A B C D
F

Surface Area = A + B + C + D + E + F