Area of rectangles and squares.

1. Find the area of this square.

\[ \text{Area of square} = \text{side} \times \text{side} \]

\[ \text{Area} = 6 \text{ cm} \times 6 \text{ cm} = 36 \text{ cm}^2 \]

2. Find the area of this rectangle.

\[ \text{Area of rectangle} = \text{length} \times \text{width} \]

\[ \text{Area} = 15 \text{ mm} \times 20 \text{ mm} = 300 \text{ mm}^2 \]

3. Find the missing length if the area of the rectangle is 75 square cm.

\[ \text{Area} = \text{length} \times \text{width} \]

\[ 75 \text{ cm}^2 = \text{length} \times 12.5 \text{ cm} \]

\[ \text{length} = \frac{75 \text{ cm}^2}{12.5 \text{ cm}} = 6 \text{ cm} \]
Area of rectangles and squares.

1. Find the area of this square.
   
   Area of square = side x side

   Side of square = 6 cm
   Using the formula above we have,
   \[(6 \text{ cm} \times 6 \text{ cm}) = 36 \text{ cm}\]

   The area is 36 square cm

2. Find the area of this rectangle.

   Area of rectangle = Length x width

   Width = 15 mm
   Length = 20 mm
   Using the formula above we have,
   \[(20 \text{ mm} \times 15 \text{ mm}) = 300 \text{ mm}\]

   The area is 300 square mm

3. Find the missing length if the area of the rectangle is 75 square cm

   Area = 75 cm²
   Width = 12.5 cm
   Using the formula \(\text{Area} = \text{Length} \times \text{Width}\),
   we have
   \[75 \text{ cm}^2 = S \times 12.5\]
   \[S = 75 / 12.5\]
   \[S = 6 \text{ cm}\]

   Therefore, the length = 6 cm

© http://mathskills4kids.com