



MasterMath

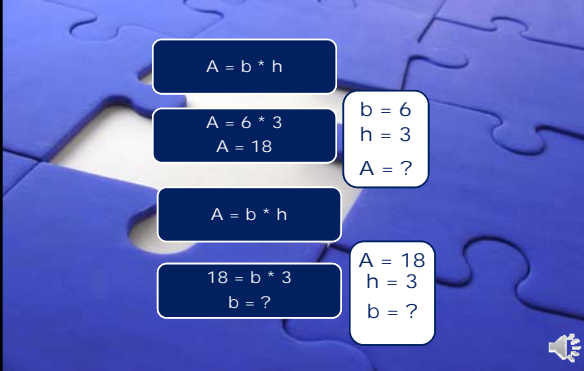


Algebra / Geometry

FINDING MISSING DIMENSIONS OF PLANE FIGURES AND PRISMS



FINDING MISSING DIMENSIONS OF PLANE FIGURES AND PRISMS



$A = b * h$


$A = 6 * 3$
 $A = 18$

$b = 6$
 $h = 3$
 $A = ?$

$A = b * h$

$18 = b * 3$
 $b = ?$


$A = 18$
 $h = 3$
 $b = ?$



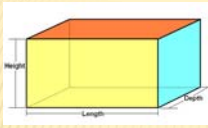
FINDING MISSING DIMENSIONS OF PLANE FIGURES AND PRISMS

h Area = 75
 b = 15

$A = b * h$
 $75 = 15 * h$
 $75 \div 15 = 15 \div 15 * h$
 $A = b * h$
 $A \div b = b \div b * h$ $5 = h$
 $A \div b = h$



FINDING MISSING DIMENSIONS OF PLANE FIGURES AND PRISMS




$V = l * d * h$
 $V = 3000 \text{ cu cm}$
 $l = 20 \text{ cm}$
 $h = 10 \text{ cm}$
 $d = ?$

$3000 = 20 * d * 10$
 $3000 / 20 = 20 / 20 * d * 10$
 $150 = d * 10$
 $150 / 10 = d * 10 / 10$

15 cm = d

SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION




The circumference of the dark portion of this clock is 37.68 inches. What is the length of the second hand?

$C = 2\pi r$
 $\pi = 3.14$

You Try

SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION



The circumference of the dark portion of this clock is 37.68 inches. What is the length of the second hand?

$C = 2\pi r$
 $\pi = 3.14$

$\frac{C}{2\pi} = \frac{2\pi r}{2\pi}$
 $\frac{C}{2\pi} = r$

$\frac{37.68}{2 * 3.14} = r$
 $6 = r$

You Try

SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION



Find x.
 $V = b \cdot l \cdot h$

You Try It!

SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION



Find x.
 $V = b \cdot l \cdot h$

$$5,184 = 24 \cdot x \cdot 18$$

$$\frac{5,184}{24 \cdot 18} = \frac{24 \cdot x \cdot 18}{24 \cdot 18}$$

$$\frac{5,184}{432} = x$$

$$12 = x$$

You Try It!

SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION

Farmer Freda planted corn seed. Each bag of corn seed covers 1000 sq. ft. of field. She used all of 8 bags of corn seed, and her corn field is 125 ft. long. How wide is her corn field?



You Try It!

SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION

Farmer Freda planted corn seed. Each bag of corn seed covers 1000 sq. ft. of field. She used all of 8 bags of corn seed, and her corn field is 125 ft. long. How wide is her corn field?



$$8 \text{ bags} \cdot 1000 \text{ sq ft} = 8,000 \text{ sq ft.}$$

$$A = l \cdot w$$

$$8,000 = 125 \cdot w$$

$$\frac{8,000}{125} = \frac{125 \cdot w}{125}$$

$$64' = w$$

You Try 

FINDING MISSING DIMENSIONS OF PLANE FIGURES AND PRISMS

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Finding Missing Dimensions of Plane Figures and Prisms

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