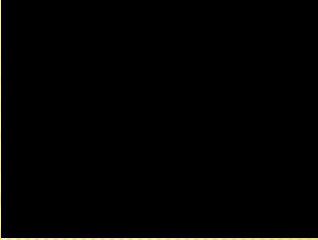



MasterMath




Algebra


SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION




SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION



COOL-HANDS.COM




SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION



53 miles
20 minutes
=
s mph

A speed boat travels 53 miles in 20 minutes. What is its speed in miles per hour?
↙ s



SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION



$$53 \text{ miles}$$

$$20 \text{ minutes} = \frac{1}{3} \text{ hour}$$

$$=$$

$$s \text{ mph}$$

A speed boat travels 53 miles in 20 minutes. What is its speed in miles per hour?

s



SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION



$$s \text{ mph} * .33 \text{ hour} = 53 \text{ miles}$$

A speed boat travels 53 miles in 20 minutes. What is its speed in miles per hour?

s



SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION



$$s * .33 = 53$$

$$s * .33 \div .33 = 53 \div .33$$

$$s = 53 \div .33$$

$$s = 160.6 \text{ mph}$$

A speed boat travels 53 miles in 20 minutes. What is its speed in miles per hour?

s



SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION

$$x \div 25 = 5$$

$$x \cancel{\div 25} \times \cancel{25} = 5 * 25$$

$$x = 5 * 25$$

$$x = 125$$



SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION

Solve for z:

$$z * 16 = 48$$



You Try 

SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION


Solve for z:

$$z * 16 = 48$$

$$z * 16 \div 16 = 48 \div 16$$

$$z = 48 \div 16$$

$$z = 3$$

You Try 

SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION

Find x
Area = 32 sq in
4"
x

You Try It!

SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION

Find x
Area = 32 sq in
4"
x

$$A = b * h$$
$$32 = x * 4$$
$$32 \div 4 = x * 4 \div 4$$
$$8 = x$$

You Try It!

SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION



The perimeter of the flower bed is 24 ft. The base is twice the height. What are the dimensions of the flower bed?

This is a tough one. You'll have to think!

You Try It!

SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION



The perimeter of the flower bed is 24 ft. The base is twice the height. What are the dimensions of the

$$P = b + b + h + h$$

$$\frac{1}{2}b = h$$

$$P = b + b + \frac{1}{2}b + \frac{1}{2}b$$

$$24 = 3b$$

$$8 = b$$

$$4 = h$$

You Try 

SOLVING EQUATIONS WITH MULTIPLICATION AND DIVISION

Now, try it on your own. Go to

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Solving equations with multiplication and division

from the Worksheets Page, and test your skill. Then see how much you understand by taking the Subject Quiz