



Name: _____

Date: _____

How do I find a missing number in a division equation?

Review

Knowing related math facts makes it easier to solve for a missing number in division problems.

fact family: related multiplication and division facts. Example:

$$15 \div 3 = 5$$

$$15 \div 5 = 3$$

$$3 \times 5 = 15$$

$$5 \times 3 = 15$$

Finding a Missing Divisor

$$15 \div ? = 3$$



Rearrange the equation and use a related division fact to find the missing divisor.

Think: $15 \div 3 =$ 5

The missing value is 5.

Finding a Missing Dividend

$$p \div 5 = 3$$

Think: $5 \times 3 =$ 15

I can use a related multiplication fact to find the missing dividend.

The value of p is 15.

Try It

Find each missing number.

$$20 \div s = 4$$

What fact family has 20 and 4?

The value of s is 5.

$$? \div 3 = 9$$

9×3 is what number?

The missing dividend is 27.



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Practice

Find each missing number.

1. $? \div 2 = 7$



A related multiplication fact is $2 \times 7 = 14$.

The missing dividend is 14.

5. $32 \div d = 4$

The value of d is 8.

2. $24 \div ? = 2$



A related division fact is $24 \div 2 = 12$.

The missing divisor is 12.

6. $h \div 4 = 12$

The value of h is 48.

3. $f \div 5 = 6$

The value of f is 30.

7. $66 \div 6 = x$

The value of x is 11.

4. $18 \div m = 6$

The value of m is 3.

8. $? \div 7 = 6$

The missing dividend is 42.



How can you use multiplication to find an unknown number in a division equation?

To find an unknown dividend, multiply the quotient by the divisor. To find an unknown divisor or quotient, find a related multiplication fact where the dividend is the product. The third number in the related multiplication fact is the missing number in the division equation.