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Solving Equations with Multiplication and Division

$$22 \div 2 = s$$

$$s = $$ 🥪

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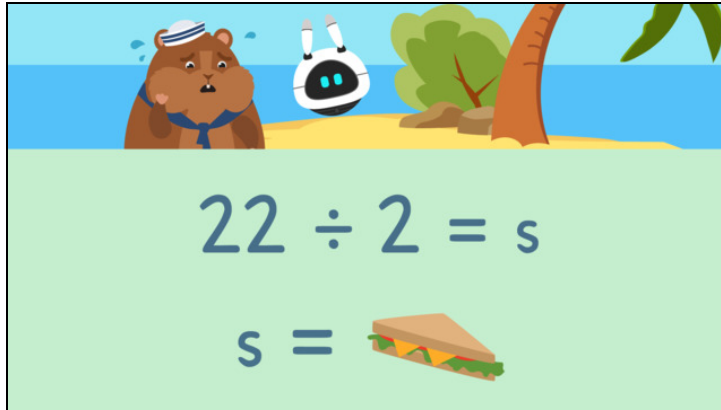
(1) Identify the digit that completes each equation.

(2) Identify equations.

(3) Identify the math terms and how they help us solve word problem.

(4) Solve the word problem

(5) Match the word problem to the equation.

(6) Given the equation 12 x 3, select the word problems that relate.

(+) with many hints, answer keys, and solution approaches for all tasks

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⚠️ The complete package, **including all tasks, hints, solutions, and solution approaches**, is available to all subscribers of sofatutor.com

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Worksheet: Solving Equations with Multiplication and Division
Mathematics / Numbers and Operations / Multiplication / Multiplication Word Problems / Solving Equations with Multiplication and Division

1
from 6

Identify the digit that completes each equation.

Fill in the blanks with the correct digit.
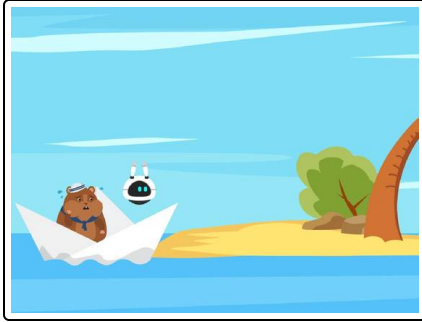
Mr. Squeaks and Imani are trying to figure out which digits are missing from the equations. Can you help them find the missing digits?

| 54 | 8 | 2 | 11 |

$24 \div 3 = \underline{\qquad}_1$

$2 \times \underline{\qquad}_2 = 22$

$6 \times 9 = \underline{\qquad}_3$

$10 \div 5 = \underline{\qquad}_4$

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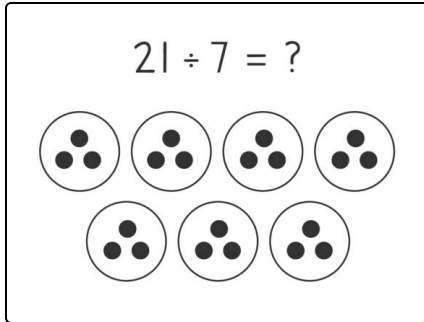
Our hints for the tasks

1
from 6

Identify the digit that completes each equation.

1. Hint

Draw pictures to help you visualize the problem.

Let's look at 21 ÷ 7= ?

I would draw 7 circles to represent my groups and then I would break up 21 equally among the 7 groups. I can represent those with dots. You will see that each group gets 3 dots, so 21 ÷ 7 = **3**.

2. Hint

Division means sharing equally and multiplication means how many are there in total.

3. Hint

Use the digits in the problem to create a fact family to help you solve for the missing variable.

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Solutions and solution approaches for the tasks

1 (from 6) Identify the digit that completes each equation.

Answer key: 1: 8 // 2: 11 // 3: 54 // 4: 2

The solutions are:

24 ÷ 3 = **8**

2 x **11** = 22

6 x 9 = **54**

10 ÷ 5 = **2**

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