

Name

MY Homework

Lesson 5

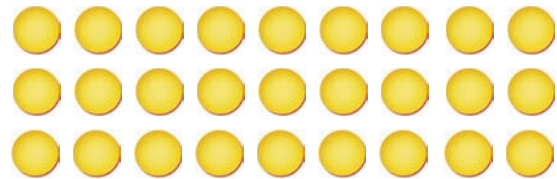
Inverse Operations

Homework Helper



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The array represents 27 children lined up in 3 rows. Use the array to find each unknown.



$$9 \times \blacksquare = 27$$

$$? \div 3 = 9$$

$$\blacksquare = 3$$

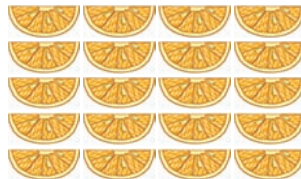
$$? = 27$$

You know 3 rows of 9 = 27.
So, 9 rows of 3 = 27 and
 $27 \div 3 = 9$.

Practice

Algebra Use the array to find each unknown.

1. $\blacksquare \times 4 = 20$



$? \div 5 = 4$

$\blacksquare = \underline{5}$

$? = \underline{20}$

2. $4 \times \blacksquare = 16$



$? \div 4 = 4$

$\blacksquare = \underline{4}$

$? = \underline{16}$

3. $7 \times \blacksquare = 21$



$? \div 7 = 3$

$\blacksquare = \underline{3}$

$? = \underline{21}$

4. $2 \times \blacksquare = 12$



$? \div 2 = 6$

$\blacksquare = \underline{6}$

$? = \underline{12}$

Write the fact family for each set of numbers.

5. 5, 8, 40

$5 \times 8 = 40$ $40 \div 5 = 8$

$8 \times 5 = 40$ $40 \div 8 = 5$

6. 6, 7, 42

$6 \times 7 = 42$ $42 \div 6 = 7$

$7 \times 6 = 42$ $42 \div 7 = 6$

Write the set of numbers for each fact family.

7. $4 \times 9 = 36$ $36 \div 4 = 9$

$9 \times 4 = 36$ $36 \div 9 = 4$

4, 9, 36

8. $2 \times 8 = 16$ $16 \div 2 = 8$

$2 \times 8 = 16$ $16 \div 8 = 2$

2, 8, 16



Problem Solving

9. **PRACTICE 4** **Model Math** Tia has \$35 to spend on socks for the family. If each pair of socks costs \$5, how many pairs can she buy? Write a division sentence to solve.

$\$35 \div \$5 = 7$; Tia can buy 7 pairs of socks.

Vocabulary Check



Draw a line to connect each vocabulary word with its definition.

- | | | |
|------------------------|---|--|
| 10. dividend | — | the number being divided |
| 11. divisor | — | a group of related facts that use the same numbers |
| 12. fact family | — | the answer to a division problem |
| 13. inverse operations | — | the number by which a dividend is divided |
| 14. quotient | — | operations that undo each other |

Test Practice

15. Which pair shows inverse operations?

- (A) $2 \times 2 = 4$; $4 \div 2 = 2$ (C) $2 \times 2 = 4$; $8 \div 4 = 2$
 (B) $2 \times 2 = 4$; $4 - 2 = 2$ (D) $2 \times 2 = 4$; $4 \div 4 = 1$