

Math Sheet

Name _____ Score _____ / 10 Teacher _____ Date _____

Multi-Step Equation Word Problems

Read each story carefully. Use the relevant facts to find the requested quantity.

1. A number is used in this process: $(? \times 5 - 2) \div 5 = -1.3$. Find that number. Find the unknown quantity.

2. A number is used in this process: $(? \div 4) \times 2 + 9 = 11 \frac{1}{2}$. Find that number. Find the unknown quantity.

3. A number is used in this process: $((12.1 - ?) \times 2) \div 5 = 5.2$. Find that number. Find the unknown quantity.

4. A number is used in this process: $((7 + 5) \times 2) \div ? = -6$. Find that number. Find the unknown quantity.

5. A number is used in this process: $(? \times 2 - 5) \div 5 = -1/5$. Find that number. Find the unknown quantity.

6. A number is used in this process: $(? \div 5) \times 3 + 9 = 8.82$. Find that number. Find the unknown quantity.

7. A number is used in this process: $((5 - ?) \times 3) \div 5 = 12$. Find that number. Find the unknown quantity.

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Read each story carefully. Use the relevant facts to find the requested quantity.

8. A number is used in this process: $((19 + 8) \times 5) \div ? = -45$. Find that number. Find the unknown quantity.

9. A number is used in this process: $(? \times 5 - 5) \div 2 = -1$. Find that number. Find the unknown quantity.

10. A number is used in this process: $(? \div 2) \times 5 + 8 = 9.25$. Find that number. Find the unknown quantity.

Multi-Step Equation Word Problems

Answer key

Read each story carefully. Use the relevant facts to find the requested quantity.

1. A number is used in this process: $(? \times 5 - 2) \div 5 = -1.3$. Find that number. Find the unknown quantity.

-0.9

$$((-0.9 \times 5) - 2) \div 5 = -1.3$$

2. A number is used in this process: $(? \div 4) \times 2 + 9 = 11 \frac{1}{2}$. Find that number. Find the unknown quantity.

5

$$(5 \div 4) \times 2 + 9 = 11 \frac{1}{2}$$

3. A number is used in this process: $((12.1 - ?) \times 2) \div 5 = 5.2$. Find that number. Find the unknown quantity.

-0.9

$$((12.1 - -0.9) \times 2) \div 5 = 5.2$$

4. A number is used in this process: $((7 + 5) \times 2) \div ? = -6$. Find that number. Find the unknown quantity.

-4

$$((7 + 5) \times 2) \div -4 = -6$$

5. A number is used in this process: $(? \times 2 - 5) \div 5 = -1/5$. Find that number. Find the unknown quantity.

2

$$((2 \times 2) - 5) \div 5 = -1/5$$

6. A number is used in this process: $(? \div 5) \times 3 + 9 = 8.82$. Find that number. Find the unknown quantity.

-0.3

$$(-0.3 \div 5) \times 3 + 9 = 8.82$$

7. A number is used in this process: $((5 - ?) \times 3) \div 5 = 12$. Find that number. Find the unknown quantity.

-15

$$((5 - -15) \times 3) \div 5 = 12$$

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Multi-Step Equation Word Problems

Answer key

Read each story carefully. Use the relevant facts to find the requested quantity.

8. A number is used in this process: $((19 + 8) \times 5) \div ? = -45$. Find that number. Find the unknown quantity.

-3

$$((19 + 8) \times 5) \div -3 = -45$$

9. A number is used in this process: $(? \times 5 - 5) \div 2 = -1$. Find that number. Find the unknown quantity.

0.6

$$((0.6 \times 5) - 5) \div 2 = -1$$

10. A number is used in this process: $(? \div 2) \times 5 + 8 = 9.25$. Find that number. Find the unknown quantity.

0.5

$$(0.5 \div 2) \times 5 + 8 = 9.25$$