

**Algebra Equations 2c - Multiplying and Dividing****Short Answer**

1.  $7y = 28$

2.  $-9t = 45$

3.  $36 = -12t$

4.  $3m = -27$

5.  $-26 = 2a$

6.  $-6y = -42$

7.  $\frac{m}{5} = 2$

8.  $\frac{m}{6} = -4$

9.  $\frac{r}{-3} = 10$

10.  $-\frac{y}{2} = 4$

11.  $\frac{y}{-2} = -10$

12.  $-\frac{y}{5} = -11$

**Algebra Equations 2c - Multiplying and Dividing  
Answer Section****SHORT ANSWER**

1. ANS:

4

$$7y = 28$$

$$\frac{7y}{7} = \frac{28}{7}$$

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$$y = 4$$

2. ANS:

-5

$$-9t = 45$$

$$\frac{-9t}{-9} = \frac{45}{-9}$$

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$$t = -5$$

3. ANS:

-3

$$36 = -12t$$

$$\frac{-12t}{-12} = \frac{36}{-12}$$

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$$-3 = t$$

$$t = -3$$

4. ANS:

-9

$$3m = -27$$

$$\frac{3m}{3} = \frac{-27}{3}$$

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$$m = -9$$

5. ANS:

$$-13$$

$$-26 = 2a$$

$$\frac{-26}{2} = \frac{2a}{2}$$


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$$-13 = a$$

$$a = -13$$

6. ANS:

$$7$$

$$-6y = -42$$

$$\frac{-6y}{-6} = \frac{-42}{-6}$$


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$$y = 7$$

7. ANS:

$$10$$

$$\frac{m}{5} = 2$$

$$5 \cdot \frac{m}{5} = 2 \cdot 5$$

$$m = 10$$

8. ANS:

$$-24$$

$$\frac{m}{6} = -4$$

$$6 \cdot \frac{m}{6} = -4 \cdot 6$$

$$m = -24$$

9. ANS:

$$-30$$

$$\frac{r}{-3} = 10$$

$$-3 \cdot \frac{r}{-3} = 10 \cdot (-3)$$

$$r = -30$$

10. ANS:

$$-8$$

$$\frac{y}{2} = 4$$

$$-2 \cdot \left(-\frac{y}{2}\right) = 4 \cdot (-2)$$

$$y = -8$$

11. ANS:

20

$$\frac{y}{-2} = -10$$

$$-2 \cdot \frac{y}{-2} = -10 \cdot (-2)$$

$$y = 20$$

12. ANS:

55

$$\frac{y}{5} = -11$$

$$-5 \cdot \left(-\frac{y}{5}\right) = -11 \cdot (-5)$$

$$y = 55$$