

Name: Class:

Find a value using two-variable equations

Solve on the rough paper then write the correct answer (follow the example).

1. Find the value of u .
 $u = t + 9$. When $t=10$

2. Find the value of y .
 When $x=10$.
 $y = 4x - 21$

3. Find the value of u .
 When $k=25$.
 $u = \frac{25}{k}$

4. Find the value of t .
 When $x=59$.
 $t = x - 29$

5. Find the value of y .
 When $x=3$.
 $y = \frac{27}{x} + 37$

6. Find the value of h .
 When $g=2$.
 $h = 250g$

7. Find the value of s .
 When $t=2$.
 $s = 20t + 60$

8. Find the value of y .
 When $x=11$.
 $y = 55x \div 11$

Find the value of the variables in the following expressions and choose the most correct answer.

1. Find the value of y when $x = 110$. $y = 5 + x$. $y=119$ $y=120$ $y=110$

2. Find the value of y when $x = 7$. $y = 5x$. $y=35$ $y=36$ $y=34$

3. Find the value of y when $x = 9$. $y = 10x - 90$. $y=70$ $y=0$ $y=80$

4. Find the value of y when $x = 21$. $y = 30 + 2x$. $y=72$ $y=62$ $y=51$

5. Find the value of v when $u = 105$. $v = \frac{u}{35}$ $v=21$ $v=7$ $v=3$

Name: Class:

Find a value using two-variable equations.

Solve on the rough paper then write the correct answer (follow the example).

1. Find the value of u .
 $u = t + 9$. When $t=10$
 Substitute **10** in place of t into the equation.
 $u = t + 9$
 $u = 10 + 9$
 $u = 19$
 So, $u = t + 9 = 19$

2. Find the value of y .
 When $x=10$.
 $y = 4x - 21$
 $y = 19$

3. Find the value of u .
 When $k=25$.
 $u = \frac{25}{k}$
 $u = 1$

4. Find the value of t .
 When $x=59$.
 $t = x - 29$
 $t = 30$

5. Find the value of y .
 When $x=3$.
 $y = \frac{27}{x} + 37$
 $y = 46$

6. Find the value of h .
 When $g=2$.
 $h = 250g$
 $h = 500$

7. Find the value of s .
 When $t=2$.
 $s = 20t + 60$
 $s = 100$

8. Find the value of y .
 When $x=11$.
 $y = 55x \div 11$
 $y = 55$

Find the value of the variables in the following expressions and choose the most correct answer.

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|---|--|---|---|
| 1. Find the value of y when $x = 110$. $y = 5 + x$. | <input type="checkbox"/> $y=119$ | <input checked="" type="checkbox"/> $y=115$ | <input type="checkbox"/> $y=110$ |
| 2. Find the value of y when $x = 7$. $y = 5x$. | <input checked="" type="checkbox"/> $y=35$ | <input type="checkbox"/> $y=36$ | <input type="checkbox"/> $y=34$ |
| 3. Find the value of y when $x = 9$. $y = 10x - 90$. | <input type="checkbox"/> $y=70$ | <input checked="" type="checkbox"/> $y=0$ | <input type="checkbox"/> $y=80$ |
| 4. Find the value of y when $x = 21$. $y = 30 + 2x$. | <input checked="" type="checkbox"/> $y=72$ | <input type="checkbox"/> $y=62$ | <input type="checkbox"/> $y=51$ |
| 5. Find the value of v when $u = 105$. $v = \frac{u}{35}$ | <input type="checkbox"/> $v=21$ | <input type="checkbox"/> $v=7$ | <input checked="" type="checkbox"/> $v=3$ |