

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 $x=12$.
 $y = 4x - 21$

3. Find the value of **u**.
 When $k=15$.
 $u = \frac{15}{k}$

4. Find the value of **t**.
 When $x=79$.
 $t = x - 17$

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

6. Find the value of **h**.
 When $g=5$.
 $h = 250g$

7. Find the value of **s**.
 When $t=2$.
 $s = 20t + 50$

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 $x = 115$. $y = 5 + x$. | <input type="checkbox"/> $y=119$ | <input type="checkbox"/> $y=120$ | <input type="checkbox"/> $y=110$ |
| 2. Find the value of y when $x = 7$. $y = 15x$. | <input type="checkbox"/> $y=105$ | <input type="checkbox"/> $y=106$ | <input type="checkbox"/> $y=104$ |
| 3. Find the value of y when $x = 5$. $y = 10x - 50$. | <input type="checkbox"/> $y=10$ | <input type="checkbox"/> $y=0$ | <input type="checkbox"/> $y=50$ |
| 4. Find the value of y when $x = 21$. $y = 10 + 2x$. | <input type="checkbox"/> $y=52$ | <input type="checkbox"/> $y=42$ | <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 type="checkbox"/> $v=3$ |

Name: Class:



Find a value using two-variable equations.

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

- | | | |
|---|--|---|
| <p>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, $u = t + 9 = 19$</p> | <p>2. Find the value of y.
 When $x=12$.
 $y = 4x - 21$
 $y = 27$</p> | <p>3. Find the value of u.
 When $k=15$.
 $u = \frac{15}{k}$
 $u = 1$</p> |
| <p>6. Find the value of h.
 When $g=5$.
 $h = 250g$
 $h = 1,250$</p> | <p>4. Find the value of t.
 When $x=79$.
 $t = x - 17$
 $t = 62$</p> | <p>5. Find the value of y.
 When $x=3$.
 $y = \frac{27}{x} + 37$
 $y = 46$</p> |
| <p>7. Find the value of s.
 When $t=2$.
 $s = 20t + 50$
 $s = 90$</p> | <p>8. Find the value of y.
 When $x=11$.
 $y = 55x \div 11$
 $y = 55$</p> | |

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

- | | | |
|--|---|---|
| <p>1. Find the value of y when $x = 115$. $y = 5 + x$.
 <input type="checkbox"/> $y=119$ <input checked="" type="checkbox"/> $y=120$ <input type="checkbox"/> $y=110$</p> | <p>2. Find the value of y when $x = 7$. $y = 15x$.
 <input checked="" type="checkbox"/> $y=105$ <input type="checkbox"/> $y=106$ <input type="checkbox"/> $y=104$</p> | <p>3. Find the value of y when $x = 5$. $y = 10x - 50$.
 <input type="checkbox"/> $y=10$ <input checked="" type="checkbox"/> $y=0$ <input type="checkbox"/> $y=50$</p> |
| <p>4. Find the value of y when $x = 21$. $y = 10 + 2x$.
 <input checked="" type="checkbox"/> $y=52$ <input type="checkbox"/> $y=42$ <input type="checkbox"/> $y=51$</p> | <p>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"/> $v=3$</p> | |