mathskills4kids

Name: ..... Class: .....

Find a value using two-variable equations

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

a. Find the value of **u**.
u = t + 9. When **t = 10**

b. Find the value of **h**.
When **g = 5.**

c. Find the value of **y**.
When **x = 12.**

d. Find the value of **t**.
When **x = 79.**

e. Find the value of **s**.
When **t = 2.**

f. Find the value of **u**.
When **k = 15.**

g. Find the value of **y**.
When **x=3.**

h. Find the value of **y**.
When **x = 11.**

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

i. Find the value of y when x = 115. y = 5 + x. ☐ **y = 119** ☐ **y = 120** ☐ **y = 110**

j. Find the value of y when x = 7. y = 15x. ☐ **y = 105** ☐ **y = 106** ☐ **y = 104**

k. Find the value of y when x = 5. y = 10x - 50. ☐ **y = 10** ☐ **y = 0** ☐ **y = 50**

l. Find the value of y when x = 21. y = 10 + 2x. ☐ **y = 52** ☐ **y = 42** ☐ **y = 51**

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

Solution

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Find a value using two-variable equations

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

a. 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

b. Find the value of **h**.
When **g = 5.**
h = 250g
h = 1,250

c. Find the value of **y**.
When **x = 12.**
y = 4x - 21
y = 27

d. Find the value of **t**.
When **x = 79.**
t = x - 17
t = 62

e. Find the value of **s**.
When **t = 2.**
s = 20t + 50
s = 90

f. Find the value of **u**.
When **k = 15.**
$u = \frac{15}{k}$
u = 1

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

h. Find the value of **y**.
When **x = 11.**
y = 55x ÷ 11
y = 55

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

i.	Find the value of y when x = 115. y = 5 + x.	☐ y = 119	☑ y = 120	☐ y = 110
j.	Find the value of y when x = 7. y = 15x.	☑ y = 105	☐ y = 106	☐ y = 104
k.	Find the value of y when x = 5. y = 10x - 50.	☐ y = 10	☑ y = 0	☐ y = 50
l.	Find the value of y when x = 21. y = 10 + 2x.	☑ y = 52	☐ y = 42	☐ y = 51
m.	Find the value of v when u = 105. $v = \frac{u}{35}$	☐ v = 21	☐ v = 7	☑ v = 3