

Find Pairs of Values 2

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5a. Which pair of values does not satisfy the equation?

$$a \div b = 9$$

$$a = 72$$

$$b = 8$$

$$a = 94$$

$$b = 11$$

$$a = 54$$

$$b = 6$$



VF

5b. Which pair of values does not satisfy the equation?

$$h \times i = 144$$

$$h = 24$$

$$i = 6$$

$$h = 18$$

$$i = 8$$

$$h = 15$$

$$i = 11$$



VF

6a. Use the numbers in the table to find all the possible combinations for the two variables below.

$$x - y = 33$$

72	61	12	56
45	23	28	39



VF

6b. Use the numbers in the table to find all the possible combinations for the two variables below.

$$j + k = 41$$

9	23	13	16
28	18	25	32



VF

7a. Work out the values of b and c .

$$a = 12$$

$$a + b = 20$$

$$c + b = 35$$

$$b = \square \quad c = \square$$



VF

7b. Work out the values of a and c .

$$b = 4$$

$$b \times a = 32$$

$$c - b = 23$$

$$a = \square \quad c = \square$$



VF

8a. List three possible values for a and b , where $c = 75$.

$$5a + b = c$$



VF

8b. List three possible values for c and d , where $e = 56$.

$$3c - d = e$$



VF

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9a. Which pair of values does not satisfy the equation?

$$2a \div b = 24\frac{1}{4}$$

$$a = 48.5$$

$$b = 4$$

$$a = 64$$

$$b = 6$$

$$a = 97$$

$$b = 8$$



VF

9b. Which pair of values does not satisfy the equation?

$$2h \times \frac{1}{2}i = 60$$

$$h = 15$$

$$i = 8$$

$$h = 10$$

$$i = 6$$

$$h = 12$$

$$i = 5$$



VF

10a. Use the numbers in the table to find all the possible combinations for the two variables below.

$$x - y = -5.5$$

10	1	12	0.5
-4.5	6	6.5	4.5



VF

10b. Use the numbers in the table to find all the possible combinations for the two variables below.

$$2j + k = 22.5$$

11	0.5	9	6.5
2.5	10	4.5	8



VF

11a. Work out the values of v and y .

$$x = 12.5$$

$$x + y = 28$$

$$v + y = 20.5$$

$$y = \boxed{} \quad v = \boxed{}$$



VF

11b. Work out the values of s and r .

$$t = 0.5$$

$$t \times s = 4$$

$$t - r = -6.5$$

$$s = \boxed{} \quad r = \boxed{}$$



VF

12a. List three possible values for a and b , where $c = 25$.

$$3a + 2b = c$$



VF

12b. List three possible values for c and d , where $e = 3$.

$$2c - 2d = e$$



VF