

Find Pairs of Values 2

1a. Which pair of values does not satisfy the equation?

$$a \div b = 3$$

$$a = 18$$

$$b = 6$$

$$a = 12$$

$$b = 4$$

$$a = 16$$

$$b = 4$$



VF

Find Pairs of Values 2

1b. Which pair of values does not satisfy the equation?

$$h \times i = 24$$

$$h = 3$$

$$i = 8$$

$$h = 5$$

$$i = 6$$

$$h = 6$$

$$i = 4$$



VF

2a. Use the numbers in the table to find all the possible combinations for the two variables below.

$$a - b = 5$$

12	14	3	7
15	19	10	8



VF

2b. Use the numbers in the table to find all the possible combinations for the two variables below.

$$d + e = 18$$

10	1	12	6
17	8	14	4



VF

3a. Work out the values of b and c .

$$a = 8$$

$$a + b = 17$$

$$c + b = 13$$

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



VF

3b. Work out the values of a and c .

$$b = 9$$

$$b \times a = 18$$

$$c - b = 6$$

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



VF

4a. List three possible values for a and b , where $c = 18$.

$$2a + b = c$$



VF

4b. List three possible values for c and d , where $e = 12$.

$$c - 2d = e$$



VF

Find Pairs of Values 2

1a. Katya is finding possible values for a and b .

$$2a + b = 18$$



If a equals 7,
 b must equal 5.

Is Katya correct? Explain your answer.



R

Find Pairs of Values 2

1b. Jesse is finding possible values for c and d .

$$2c - d = 12$$



If c equals 10,
 d must equal 2.

Is Jesse correct? Explain your answer.



R

2a. If a is an odd number and b is 2, which of these could be true?

- A. $2a + 2b = 14$
- B. $a \times b = 9$
- C. $2a \times b = 12$
- D. $a + 2b = 9$

Convince me.



R

2b. If a is 5 and b is an even number, which of these could be true?

- A. $a + 2b = 12$
- B. $2a + b = 16$
- C. $2a \times b = 20$
- D. $a + b = 8$

Convince me.



R

3a. Pizza 2 Go sells 2 medium pizzas and one small pizza for £16. What possible prices can you find for each pizza?

$$2m + s = \text{£}16$$

m	s



PS

3b. Happy Hats sell 2 knitted hats and 2 baseball caps for £18. What possible prices can you find for each hat?

$$2k + 2b = \text{£}18$$

k	b



PS

Find Pairs of Values 2

Find Pairs of Values 2

1a. 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

1b. 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

2a. 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

2b. 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

3a. Work out the values of b and c .

$$a = 12$$

$$a + b = 20$$

$$c + b = 35$$

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



VF

3b. Work out the values of a and c .

$$b = 4$$

$$b \times a = 32$$

$$c - b = 23$$

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



VF

4a. List three possible values for a and b , where $c = 75$.

$$5a + b = c$$



VF

4b. List three possible values for c and d , where $e = 56$.

$$3c - d = e$$



VF

Find Pairs of Values 2

1a. Vivian is finding possible values for h and i .

$$5h + 3i = 50$$



If h equals 7,
 i must equal 15.

Is Vivian correct? Explain your answer.



R

Find Pairs of Values 2

1b. Ralph is finding possible values for x and y .

$$2x + 5y = 40$$



If x equals 15,
 y must equal 10.

Is Ralph correct? Explain your answer.



R

2a. If a is an odd number and b is 25, which of these could be true?

- A. $2a + 3b = 105$
- B. $a + a - 4b = 4$
- C. $4a \div 4b = 20$
- D. $3a + 3b = 96$

Convince me.



R

2b. If a is an even number and b is 4, which of these could be true?

- A. $5a + b = 15$
- B. $3a + 3b = 42$
- C. $2a + 5b = 36$
- D. $2a \times b = 48$

Convince me.



R

3a. Coats 'r' Us sell 2 medium coats and 4 small coats for £100. What possible prices can you find for each coat?

$$2m + 4s = \text{£}100$$

m	s



PS

3b. Yum Wings sell 4 small chicken dippers and 2 large chicken buckets for £80. What possible prices can you find for each meal?

$$4s + 2l = \text{£}80$$

s	l



PS

Find Pairs of Values 2

1a. 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

Find Pairs of Values 2

1b. 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

2a. 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

2b. 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

3a. Work out the values of v and y .

$$x = 12.5$$

$$x + y = 28$$

$$v + y = 20.5$$

$$y = \square \quad v = \square$$



VF

3b. Work out the values of s and r .

$$t = 0.5$$

$$t \times s = 4$$

$$t - r = -6.5$$

$$s = \square \quad r = \square$$



VF

4a. List three possible values for a and b , where $c = 25$.

$$3a + 2b = c$$



VF

4b. List three possible values for c and d , where $e = 3$.

$$2c - 2d = e$$



VF

