Find Pairs of Values 1

1a. Match the pairs of numbers to the equations.

$$a \div b = 3$$

$$c - d = 7$$

$$e \times f = 18$$

1b. Match the pairs of numbers to the equations.

$$18 - 11$$

$$a + b = 18$$

$$c - d = 7$$

$$e \times f = 18$$

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$$j + k = 20$$



2a. Which set of values is the odd one out?

$$r \times s = 18$$

$$r = 3$$

 $s = 6$

$$r = 2$$
 $s = 8$

$$r = 9$$
 $s = 2$

2b. Which set of values is the odd one out?

$$r \times s = 12$$

$$r = 3$$

 $s = 6$

$$r = 2$$
 $s = 6$

$$r = 3$$
 $s = 4$



3a. Tick the options that satisfy the equation.

$$n - m = 13$$

A.
$$n = 19$$

$$m = 6$$

B.
$$n = 20$$

$$m = 5$$

C.
$$n = 17$$

$$m = 4$$

D.
$$n = 16$$

$$m = 5$$

3b. Tick the options that satisfy the equation.

$$n + m = 18$$

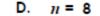
A.
$$n = 12$$

$$m = 6$$

$$m = 3$$

C.
$$n = 17$$

$$m = 2$$



$$m = 11$$

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4a. Iqbal can only find 2 pairs of integer values for x and y. How many more are there?

$$x y = 10$$

4b. Simone can only find 3 pairs of integer values for x and y. How many more are there?

$$x + y = 7$$





Find Pairs of Values 1

1a. Felicity writes the following equation:

$$a + b = 16$$

For one of the possible pairs, she has

$$a = 8$$
 and $b = 8$

Is she correct? Explain your answer.

1b. Aaron writes the following equation:

$$a \times b = 18$$

For one of the possible pairs, he has

$$a = 10$$
 and $b = 8$

Is he correct? Explain your answer.



2a. What pair of values have been used in the following equations if the values are always the same?

$$a+b$$
 = 7

$$a \times b$$
 = 12

$$a-b$$
 = 1

2b. What pair of values have been used in the following equations if the values are always the same?

$$a \times b$$
 = 10

$$a-b$$
 = 3

$$a+b$$
 = 7



3a. Richie is finding pairs of values for the equation below.

$$a \div b = 17$$

He says,



One value must be 1 because the answer is a prime number.

3b. Saima is finding pairs of values for the equation below.

$$a \div b = 2$$

She says,



One of the values must be even as the answer is an even number.

Is Richie correct? Explain why.



Is Saima correct? Explain why.



Find Pairs of Values 1

4a. Elodie writes the following equation:

$$a \div b = 7$$

For one of the possible pairs, she has written:

$$a = 7$$
 and $b = 49$

Is she correct? Explain your answer.

4b. Daley writes the following equation:

$$a \div b = 6$$

For one of the possible pairs, he has written:

$$a = 36$$
 and $b = 6$

Is he correct? Explain your answer.



5a. What pair of values have been used in the following equations if the values are always the same?

$$a+b$$
 = 16

$$a \times b = 48$$

$$a \div b$$
 = 3

$$a-b$$
 = 8

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5b. What pair of values have been used in the following equations if the values are always the same?

$$a+b$$
 = 21

$$a \times b$$
 = 54

$$a \div b$$
 = 6

$$a-b$$
 = 15



6a. Josey is finding pairs of values for the equation below.

$$a \div b = 9$$

She says,



One value must be a multiple of 3 because 9 is a multiple of 3.

Is Josey correct? Explain why.



6b. Russell is finding pairs of values for the equation below.

$$a \div b = 7$$

He says,



Both values can't be even because 7 is odd.

Is Russell correct? Explain why.



Find Pairs of Values 1

5a. Match the pairs of numbers to the equations.

$$18 + 22$$

$$a \times b = 40$$

$$c + d = 40$$

$$51 + 21$$

$$e \times f = 72$$

j + k = 72

71 - 47

5b. Match the pairs of numbers to the equations.

$$a \div b = 12$$

$$c - d = 24$$

$$e \div f = 24$$

$$j-k=12$$



6a. Which set of values is the odd one out?

$$r \times s = 48$$

$$r = 4$$

 $s = 12$

$$r = 6$$
 $s = 8$

6b. Which set of values is the odd one out?

$$r \times s = 42$$

$$r = 7$$
 $s = 6$

$$r = 3$$

$$s = 14$$

$$r = 13$$

$$s = 4$$



7a. Tick the options that satisfy the equation.

$$n + m = 54$$

A.
$$n = 18$$

$$m = 36$$

B.
$$n = 25$$

$$m = 31$$

C.
$$n = 39$$

$$m = 15$$

D.
$$n = 27$$

$$m = 29$$

7b. Tick the options that satisfy the equation.

$$n - m = 36$$

$$m = 33$$

B.
$$n = 36$$

$$m = 27$$

C.
$$n = 81$$

$$m = 45$$

D.
$$n = 50$$

$$m = 24$$

8a. Sophie can only find 7 pairs of integer values for x and y. How many more are there?

$$x + y$$

8b. Joseph can only find 3 pairs of integer values for x and y. How many more are there?

$$x \times y$$





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