

## Find Pairs of Values 1

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

$12 \div 4$

$a \div b = 3$

$9 \times 2$

$c - d = 7$

$19 - 12$

$e \times f = 18$

$15 \div 3$

$j \div k = 5$



VF

## Find Pairs of Values 1

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

$18 - 11$

$a + b = 18$

$3 \times 6$

$c - d = 7$

$7 + 13$

$e \times f = 18$

$16 + 2$

$j + k = 20$



VF

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

$r \times s = 18$

$r = 3$   
 $s = 6$

$r = 2$   
 $s = 8$

$r = 9$   
 $s = 2$



VF

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

$r \times s = 12$

$r = 3$   
 $s = 6$

$r = 2$   
 $s = 6$

$r = 3$   
 $s = 4$



VF

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.  $n = 16$       $m = 5$



VF

3b. Tick the options that satisfy the equation.

$n + m = 18$

A.  $n = 12$       $m = 6$

B.  $n = 15$       $m = 3$

C.  $n = 17$       $m = 2$

D.  $n = 8$       $m = 11$



VF

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

$x \times y = 10$



VF

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

$x + y = 7$



VF

## Find Pairs of Values 1

1a. Felicity writes the following equation:

$$a + b = 16$$

For one of the possible pairs, she has written:

$$a = 8 \text{ and } b = 8$$

Is she correct? Explain your answer.



R

## Find Pairs of Values 1

1b. Aaron writes the following equation:

$$a \times b = 18$$

For one of the possible pairs, he has written:

$$a = 10 \text{ and } b = 8$$

Is he correct? Explain your answer.



R

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

$$\begin{array}{l} a + b = 7 \\ a \times b = 12 \\ a - b = 1 \end{array}$$



PS

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

$$\begin{array}{l} a \times b = 10 \\ a - b = 3 \\ a + b = 7 \end{array}$$



PS

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.

Is Richie correct? Explain why.



R

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 Saima correct? Explain why.



R

## Find Pairs of Values 1

4a. Elodie writes the following equation:

$$a \div b = 7$$

For one of the possible pairs, she has written:

$$a = 7 \text{ and } b = 49$$

Is she correct? Explain your answer.



R

## Find Pairs of Values 1

4b. Daley writes the following equation:

$$a \div b = 6$$

For one of the possible pairs, he has written:

$$a = 36 \text{ and } b = 6$$

Is he correct? Explain your answer.



R

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

$$a + b = 16$$

$$a \times b = 48$$

$$a \div b = 3$$

$$a - b = 8$$



PS

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

$$a + b = 21$$

$$a \times b = 54$$

$$a \div b = 6$$

$$a - b = 15$$



PS

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.



R

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.



R

## Find Pairs of Values 1

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

$18 + 22$

$a \times b = 40$

$12 \times 6$

$c + d = 40$

$51 + 21$

$e \times f = 72$

$5 \times 8$

$j + k = 72$



VF



VF

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

$r \times s = 48$

$r = 4$   
 $s = 12$

$r = 6$   
 $s = 8$

$r = 7$   
 $s = 6$



VF



VF

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.  $n = 27$        $m = 29$



VF



VF

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

$x + y = 11$



VF



VF

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

$71 - 47$

$a \div b = 12$

$72 \div 3$

$c - d = 24$

$97 - 85$

$e \div f = 24$

$96 \div 8$

$j - k = 12$

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

$r \times s = 42$

$r = 7$   
 $s = 6$

$r = 3$   
 $s = 14$

$r = 13$   
 $s = 4$



VF

7b. Tick the options that satisfy the equation.

$n - m = 36$

A.  $n = 66$        $m = 33$

B.  $n = 36$        $m = 27$

C.  $n = 81$        $m = 45$

D.  $n = 50$        $m = 24$



VF

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

$x \times y = 18$



VF