Find Pairs of Values 1

1a. Felicity writes the following equation:

$a + b = 16$

For one of the possible pairs, she has written:

$a = 8$ and $b = 8$

Is she correct? Explain your answer.

D R

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

D 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.

D 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:

$a = 10$ and $b = 8$

Is he correct? Explain your answer.

D R

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

D PS

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.

D 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:

$a = 7$ and $b = 49$

Is she correct? Explain your answer.

E 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:

$a = 36$ and $b = 6$

Is he correct? Explain your answer.

E 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

E 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

E 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.

E 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.

E R

Find Pairs of Values 1

7a. Polly writes the following equation:

$a \div b = 3.5$

For one of the possible pairs, she has written:

$a = 8$ and $b = 28$

Is she correct? Explain your answer.

GD R

Find Pairs of Values 1

7b. Guy writes the following equation:

$a \div b = 4.2$

For one of the possible pairs, he has written:

$a = 21$ and $b = 5$

Is he correct? Explain your answer.

GD R

8a. What pair of values have been used in the following equations if the values are always the same?

$a + b$	=	84.5
$a \times b$	=	42
$a \div b$	=	168
$a - b$	=	83.5

GD PS

8b. What pair of values have been used in the following equations if the values are always the same?

$a + b$	=	$12\frac{3}{4}$
$a \times b$	=	9
$a \div b$	=	16
$a - b$	=	$11\frac{1}{4}$

GD PS

9a. Evan is finding pairs of values for the equation below.

$a \times b = -60$

He says,

Both values must be a negative number because the answer is a negative number.

Is Evan correct? Explain why.

GD R

9b. Kirsty is finding pairs of values for the equation below.

$a \div b = 19.5$

She says,

Value b must be an odd number because the answer is a decimal.

Is Kirsty correct? Explain why.

GD R