

## 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:

$$a = 8 \text{ and } b = 28$$

Is she correct? Explain your answer.



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:

$$a = 21 \text{ and } b = 5$$

Is he correct? Explain your answer.



R

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

$$a + b = 84.5$$

$$a \times b = 42$$

$$a \div b = 168$$

$$a - b = 83.5$$



PS

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

$$a + b = 12\frac{3}{4}$$

$$a \times b = 9$$

$$a \div b = 16$$

$$a - b = 11\frac{1}{4}$$



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.



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.



R