Find Pairs of Values 1

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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.

E   R

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.

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?

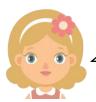| $a + b$ | = | 21 |
$a \times b$	=	54
$a \div b$	=	6
$a - b$	=	15

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

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Reasoning and Problem Solving – Find Pairs of Values 1 – Year 6 Expected