THURSDAY LEVEL 3 RPS WEEK 7

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

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

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

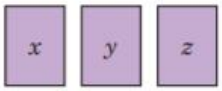
$$a \times b = -60$$

He says,

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

Is Evan correct? Explain why.

7 Rosie has three number cards.



- The sum of the cards is 12
- x is greater than y and y is greater than z.
- All the numbers are greater than zero.

List all the possible values of x, y and z.

8 Eva is plotting co-ordinates (x, y) on a grid.

She is only plotting co-ordinates where $x + y = 10$

Plot all the points Eva can plot on the grid.