

THURSDAY RPS Level 1

1a. Hafsa is looking at the values below.

$$d = 2e + 5$$

$$f = d - 2$$

She says,



If $e = 7$ then $f = 17$.

Is she correct?

Hafsa is correct because $2e + 5$ is $14 + 5 = 19$ $19 = d$ and $d - 2 = 17$ $(19 - 2)$

Explain your answer.



3a. True or false?

$$40 - 15 = 25$$

$$e = 2f - 15$$

$$5 = 25$$

When $f = 20$, $e = 5$.

Explain your answer.

1b. Will is looking at the values below.

$$d = 2e$$

$$f = 9 + d$$

He says,



If $e = 12$ then $f = 3$.

Is he correct?

Will is wrong because 12 doubled is 24 which is d then he adds 9 to d which equals 33

Explain your answer.



3b. True or false?

$$35$$

$$25 + 10 = 35$$

$$e = f + 10$$

$$35 + 35 = 70$$

When $f = 25$, $e = 35$.

Explain your answer.

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It does not matter what p and q are, $p + q$ and $q + p$ will always give the same answer.

Do you agree with Mo?

Explain your answer.

it does not matter which way round the letters go it will still be the same