

Enumerate Possibilities

7a. Gillian is trying to find all the possibilities for x and y .

$$7x + 2y = 28.5$$



If $x = 2$,
 y must = 14.5

Is Gillian correct? Explain your answer.



R

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7b. Faisan is trying to find all the possibilities for a and b .

$$2a - 5b = -5$$



If $a = 2.5$,
 b must = 10

Is Faisan correct? Explain your answer.



R

8a. If a is a negative number and b is 7, which of these could be true?

- A. $a + b = 0$
- B. $a + 3b = 16$
- C. $a + 8b = 46$
- D. $a + 2b - b = 3$

Convince me.



R

8b. If a is -5 and b is a decimal number, which of these could be true?

- A. $a + b = -2.5$
- B. $a + 3b = -3.5$
- C. $a + 2b - b = 5.5$
- D. $a - b = -9.5$

Convince me.



R

9a. CinePlaza sell 2 medium popcorn and 2 small popcorn for £17.50. What possible prices can you find for each popcorn?

$$2m + 2s = \text{£}17.50$$

m	s



PS

9b. Warm Wear sell 5 mittens and 5 hats for £22.50. What possible prices can you find for each item?

$$5m + 5h = \text{£}22.50$$

m	h



PS