

Enumerate Possibilities

4a. Vivian is trying to find all the possibilities for g and f .

$$5g + 3f = 50$$



If $g = 7$,
 f must = 15

Is Vivian correct? Explain your answer.



R

Enumerate Possibilities

4b. Ralph is trying to find all the possibilities for x and y .

$$2x + 5y = 40$$



If $x = 15$,
 y must = 10

Is Ralph correct? Explain your answer.



R

5a. If a is an odd number and b is 0.5, which of these could be true?

- A. $2a + 3b = 7.5$
- B. $a + a - 4b = 3$
- C. $4a + 5b = 22.5$
- D. $3a + 3b = 17.5$

Convince me.



R

5b. If a is a decimal number and b is 4, which of these could be true?

- A. $5a + b = 15$
- B. $3a + 3b = 13.5$
- C. $2a + 5b = 21$
- D. $2a \times b = 12$

Convince me.



R

6a. Coats 'r' Us sell 2 medium coats and 4 small coats for £100. What possible prices can you find for each coat?

$$2m + 4s = \text{£}100$$

m	s



PS

6b. Yum Wings sell 4 small chicken dippers and 2 large chicken buckets for £80. What possible prices can you find for each meal?

$$4s + 2l = \text{£}80$$

s	l



PS