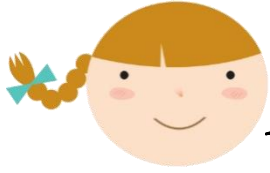


Enumerate Possibilities

1a. Katya is trying to find all the possibilities for a and b .

$$2a + b = 25$$



If $a = 9$,
 b must = 7

Is Katya correct? Explain your answer.



R

Enumerate Possibilities

1b. Jesse is trying to find all the possibilities for c and d .

$$2c - d = 12$$



If $c = 10$,
 d must = 2

Is Jesse correct? Explain your answer.



R

2a. If a is an odd number and b is 2, which of these could be true?

- A. $2a + 2b = 14$
- B. $a \times b = 9$
- C. $2a \times b = 12$
- D. $a + 2b = 9$

Convince me.



R

2b. If a is 5 and b is an even number, which of these could be true?

- A. $a + 2b = 12$
- B. $2a + b = 16$
- C. $2a \times b = 20$
- D. $a + b = 8$

Convince me.



R

3a. Pizza 2 Go sells 2 medium pizzas and one small pizza for £22. What possible prices can you find for each pizza?

$$2m + s = \text{£}22$$

m	s



PS

3b. Hippy Hats sell 2 knitted hats and 2 baseball caps for £80. What possible prices can you find for each hat?

$$2k + 2b = \text{£}80$$

k	b



PS