

Enumerate Possibilities

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5a. True or false? Evie has worked this out correctly.

$$a = 12$$

$$a + b = 20$$

$$c + b = 35$$

$$b = 8 \quad c = 25$$



VF

5b. True or false? George has worked this out correctly.

$$b = 4$$

$$b \times a = 32$$

$$c - b = 10.5$$

$$a = 8 \quad c = 6.5$$



VF

6a. Use the table to find all the possible combinations for these two variables.

$$x - y = 11.5$$

| | | | |
|------|------|-----|---|
| 13.5 | 15.5 | 7.5 | 2 |
| 19 | 5.5 | 17 | 4 |



VF

6b. Use the table to find all the possible combinations for these two variables.

$$x + y = 18.5$$

| | | | |
|------|------|------|---|
| 13.5 | 14.5 | 17.5 | 1 |
| 17 | 5 | 1.5 | 4 |



VF

7a. List three possible values for a and b , where $c = 19.5$

$$3a + b = c$$



VF

7b. List three possible values for c and d , where $e = 20$

$$4c - d = e$$



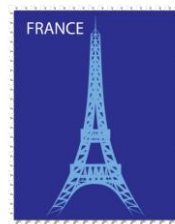
VF

8a. Deanna wants to buy some cards. Some are 15p, some are 20p. She can spend £1.50 exactly. What combinations of trading cards could she buy?



VF

8b. Arlo wants to buy some stamps. Some are 12p, some are 10p. He can spend £1.30 exactly. What combinations of stamps could he buy?



VF