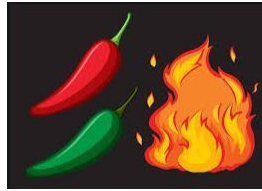


Maths Chilli Challenge – Multiplying 3 digit numbers by 2 digit numbers



Look at the challenges below, choose a level of chilli you want to start with. If you feel confident, have a go at the next set of questions. The answers will be published on Monday.



Mild

1a. Solve the calculation below using the / expanded method.

| | | | | | | |
|---|--|---|---|---|---|--------------|
| | | 1 | 3 | 1 | 3 | |
| x | | | | 2 | 1 | |
| | | | | | | |
| | | | | | | (1 x 3) |
| | | | | | | (1 x 10) |
| | | | | | | (1 x 300) |
| | | | | | | (1 x 1,000) |
| | | | | | | (20 x 3) |
| | | | | | | (20 x 10) |
| | | | | | | (20 x 300) |
| | | | | | | (20 x 1,000) |
| | | | | | | |
| | | | | | | Total |

2a. Match the calculations to the correct answers.

- | | | |
|----------------------------------------------------------------------------------------------------|----|----------------------------------------------------------------------------------------------|
| A. 4,112 x 11 | 1. | 49,464 |
| B. 4,122 x 12 | 2. | 45,232 |
| C. 2,114 x 11 | 3. | 25,692 |
| D. 2,141 x 12 | 4. | 23,254 |



Medium

3a. True or false?

$$2,111 \times 15 > 2,121 \times 14$$

4a. Solve the calculation using a formal multiplication method.

| | | | | | | |
|---|--|---|---|---|---|--|
| | | 3 | 8 | 0 | 2 | |
| x | | | | 2 | 3 | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |
| | | | | | | |



Hot

5a. Match the calculations to the correct answers.

A. $4,242 \times 23$ 1. $50,904$

B. $4,242 \times 12$ 2. $77,064$

C. $2,424 \times 25$ 3. $97,566$

D. $6,422 \times 12$ 4. $60,600$

6a. True or false?

$$7,121 \times 32 = 7,132 \times 21$$



Spicy

7a. Find the missing digits and complete the calculations.

A.

| | | | | | |
|----------------------------------------|---|---|---|---|---|
| | | 2 | □ | 3 | 2 |
| x | | | | 3 | □ |
| <hr style="border: 1px solid black;"/> | | | | | |
| | | 2 | 4 | 3 | 2 |
| | 7 | □ | □ | □ | □ |
| <hr style="border: 1px solid black;"/> | | | | | |
| <hr style="border: 1px solid black;"/> | | | | | |
| | | | | | |

B. $2,432 \times 3 \square = 7 \square, 824$

Which gives the bigger answer?