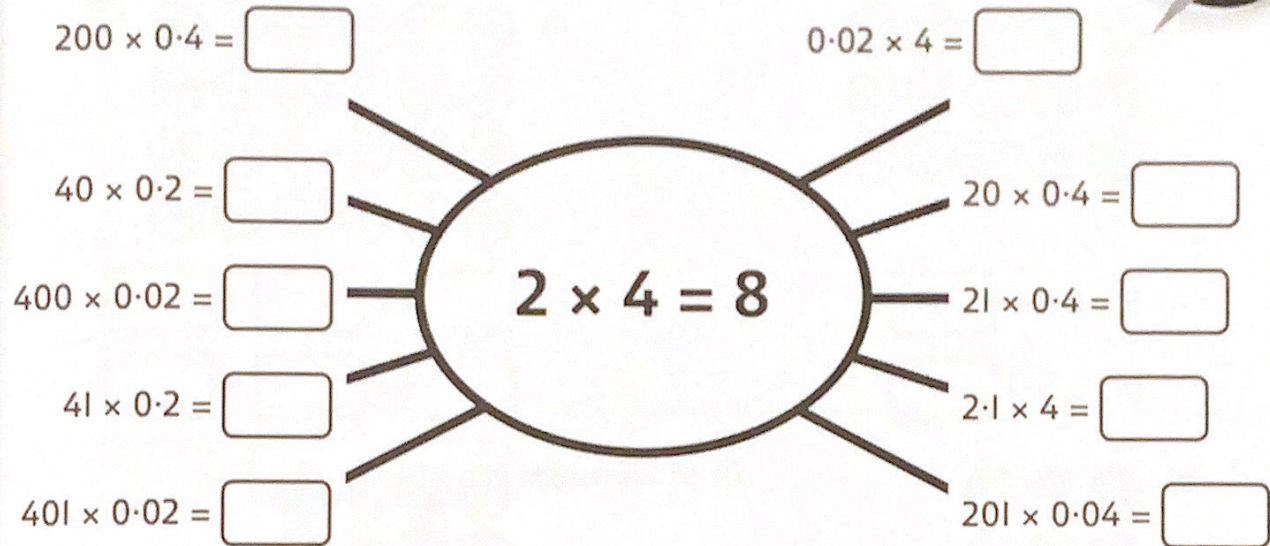


CHALLENGE

5 a) Complete the multiplications on this diagram.



b) Create some more decimal multiplications that are related to $2 \times 4 = 8$ and add them to the diagram.

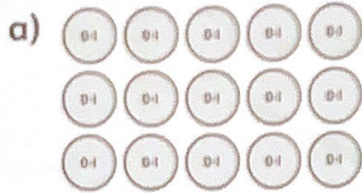
Reflect

What advice would you give to your partner about multiplying numbers with decimals?

- _____
- _____
- _____
- _____

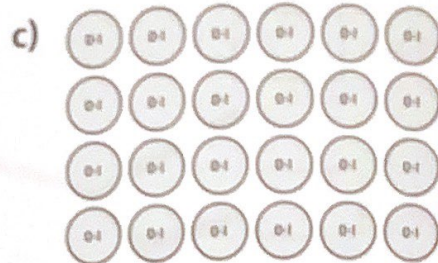
Multiplying decimals 2

1 Write two multiplications to match each representation.



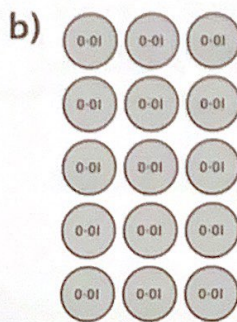
$$3 \times 0.5 = \boxed{}$$

$$0.3 \times 5 = \boxed{}$$



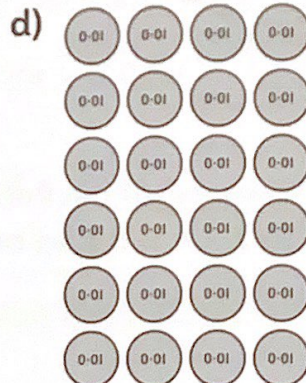
$$\boxed{} \times \boxed{} = \boxed{}$$

$$\boxed{} \times \boxed{} = \boxed{}$$



$$\boxed{} \times \boxed{} = \boxed{}$$

$$\boxed{} \times \boxed{} = \boxed{}$$



$$\boxed{} \times \boxed{} = \boxed{}$$

$$\boxed{} \times \boxed{} = \boxed{}$$

2 Complete these calculations.

a) $4 \times 3 = 12$

$$0.4 \times 3 = \boxed{}$$

$$0.04 \times 3 = \boxed{}$$

$$4 \times 0.3 = \boxed{}$$

$$4 \times 0.03 = \boxed{}$$

b) $14 \times 3 = \boxed{}$

$$1.4 \times 3 = \boxed{}$$

$$14 \times 0.3 = \boxed{}$$

$$0.14 \times 3 = \boxed{}$$

$$0.03 \times 14 = \boxed{}$$

c) $7 \times \boxed{} = 56$

$$7 \times \boxed{} = 0.56$$

$$\boxed{} \times 8 = 5.6$$

$$\boxed{} \times 80 = 5.6$$

$$700 \times \boxed{} = 560$$

3 Which calculation gives an answer closest to 10?

1.2×9

0.08×13

140×0.07

1.5×6



\times = is closest to 10.

4 $5 \times 0.2 = 1$

$50 \times 0.3 = 15$

$4 \times 0.5 = 2$



Draw diagrams to show whether or not Isla is correct.

I do not think these calculations are right. Whenever you multiply a decimal you always get a decimal answer.



Isla

