

Chilli Challenges

Mild



I know that when multiplying 3 by 40, 40 is ten times bigger than 4, so my answer will be ten times bigger than 3×4

Is Mo correct?

Explain your answer.

Hot

Rosie has 240 cakes to sell.
She puts the same number of cakes in each box and has no cakes left over.
Which of these boxes could she use?



Spicy

True or false?

$$5 \times 30 = 3 \times 50$$

Prove it.

Answers

Mild

Mo is correct. I know $3 \times 4 = 12$, so if he has 3×40 then his answer will be ten times bigger because 4 has become ten times bigger.

Hot

She could use 10, 20, 30, 40, 60, 80 because 240 is a multiple of all of these numbers.

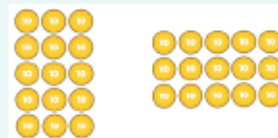
$10 \times 24 = 240$
 $20 \times 12 = 240$
 $30 \times 8 = 240$
 $40 \times 6 = 240$
 $60 \times 4 = 240$
 $80 \times 3 = 240$

Spicy

Possible response:

Children may represent it with place value counters.

True because they are equal.



Children may explore the problem in a context.

e.g. 5 lots of 30 apples compared to 3 lots of 50 apples.