

Maths Answers – 14.1.21

Independent Practice (1)

Complete the multiplications.

a) $3 \times 4 \times 5 =$

d) $3 \times 5 \times 4 =$

b) $2 \times 3 \times 8 =$

e) $3 \times 6 \times 10 =$

c) $2 \times 4 \times 7 =$

f) $2 \times 5 \times 12 =$

Independent Practice (2)

Is each statement true or false?

Tick your answers.

$$7 \times 8 = 7 \times 4 \times 2$$

$$12 \times 4 = 2 \times 4 \times 6$$

$$3 \times 2 \times 8 = 5 \times 8$$

$$2 \times 7 \times 4 = 4 \times 7 \times 2$$

True

False

Independent Practice (3)

Here are some digit cards.



a) Use the digit cards to create a multiplication and work out the answer.

$$\boxed{3} \times \boxed{5} \times \boxed{6} = \boxed{90}$$

b) How many different multiplications can you create?

$$3 \times 6 \times 5 = 90 \quad 5 \times 3 \times 6 = 90 \quad 5 \times 6 \times 3 = 90$$
$$6 \times 3 \times 5 = 90 \quad 6 \times 5 \times 3 = 90$$

They all have the same answers because all the calculations use the same numbers which we can multiply in any order and will always get the same answer.

Independent Practice (4)

In the library there are 5 bookcases.

Each bookcase has 4 shelves.

On each shelf there are 12 books.

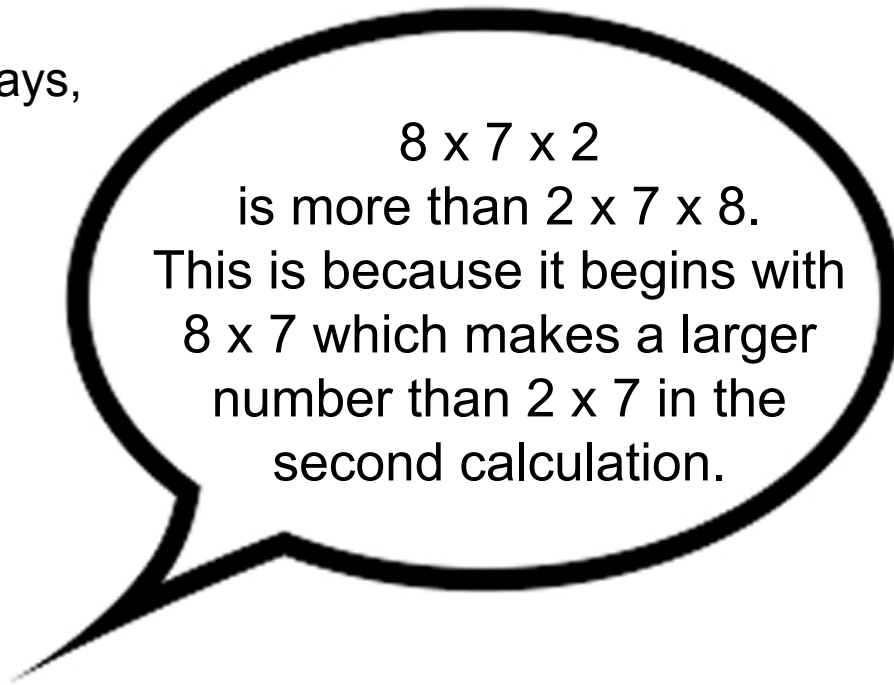
How many books are there in the library?



240

Challenge

Krishna says,



Is Krishna correct? Explain your answer.

No – Krishna is not correct. Both calculations feature the same three digits and we know that we can multiply numbers in any order and still get **the same** answer.

$8 \times 7 = 56$ and $56 \times 2 = 112$, so calculation 1 is equal to 112.

$2 \times 7 = 14$ and $14 \times 8 = 112$, so calculation 2 is also equal to 112.