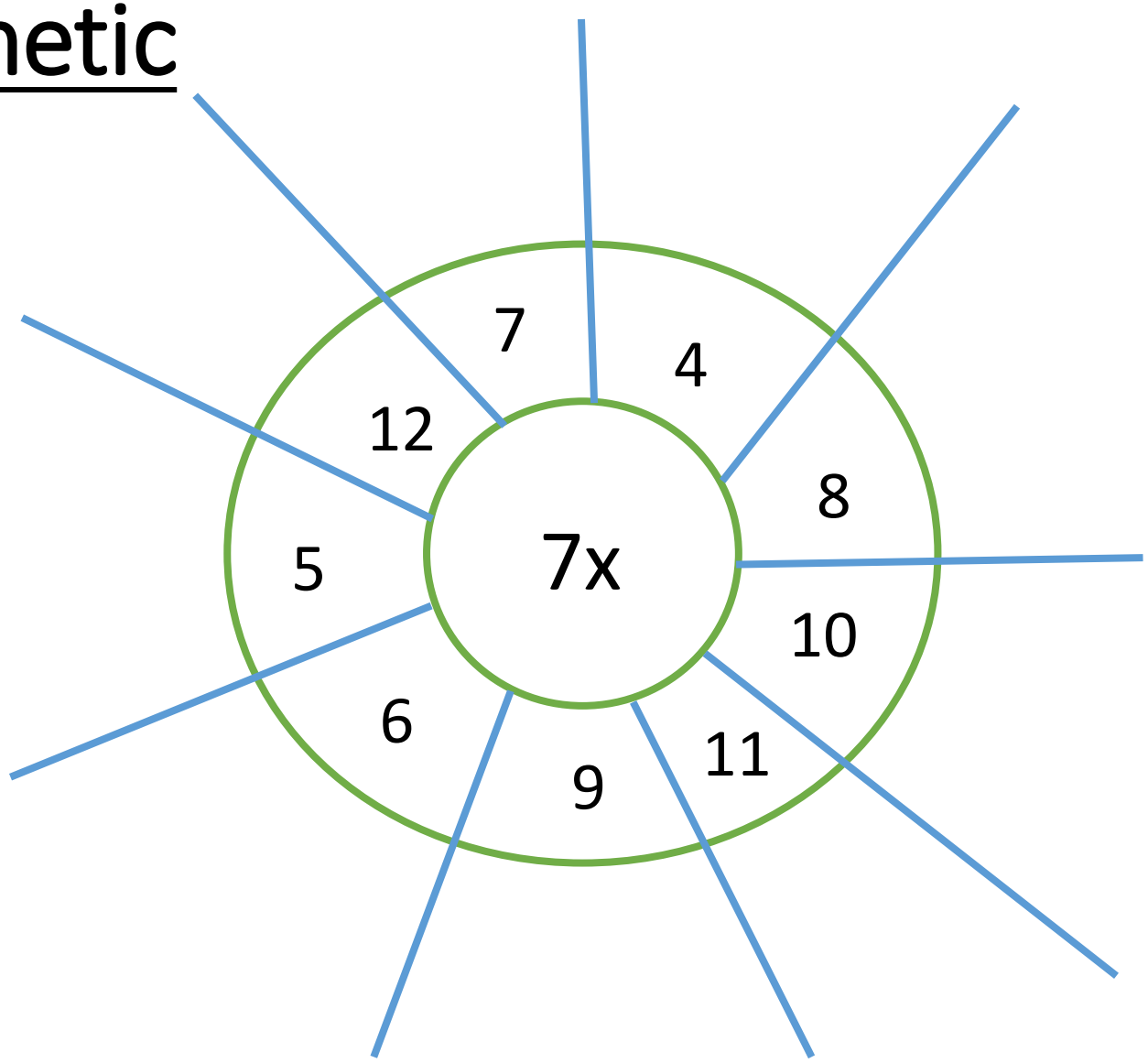
# Multiply 3-digits by 2-digit

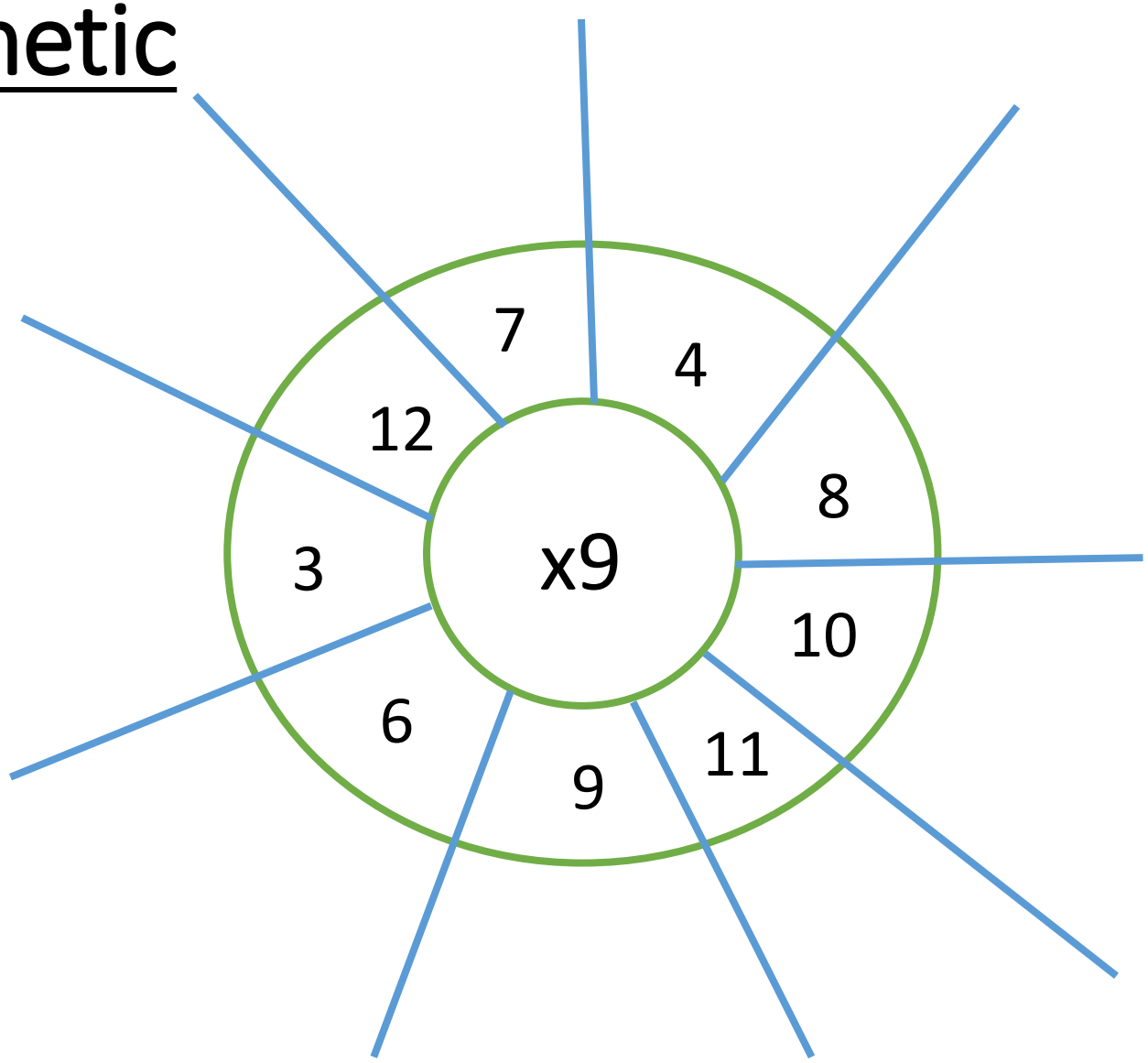
# Fluency/Recall/Arithmetic

Target Times Tables



# Fluency/Recall/Arithmetic

Target Times Tables



# Chinese chanting

One nine is nine

Two nine is eighteen

Three nine is twenty-seven

Four nine is thirty - six

Five nine is forty-five

Six nine is fifty- four

Seven nine is sixty-three

Eight nine is seventy- two

Nine nine is eighty-one

Nine ten is ninety

Nine eleven is ninety-nine

Nine twelve is one hundred and eight

Why don't we chant Four NINES (plural)?

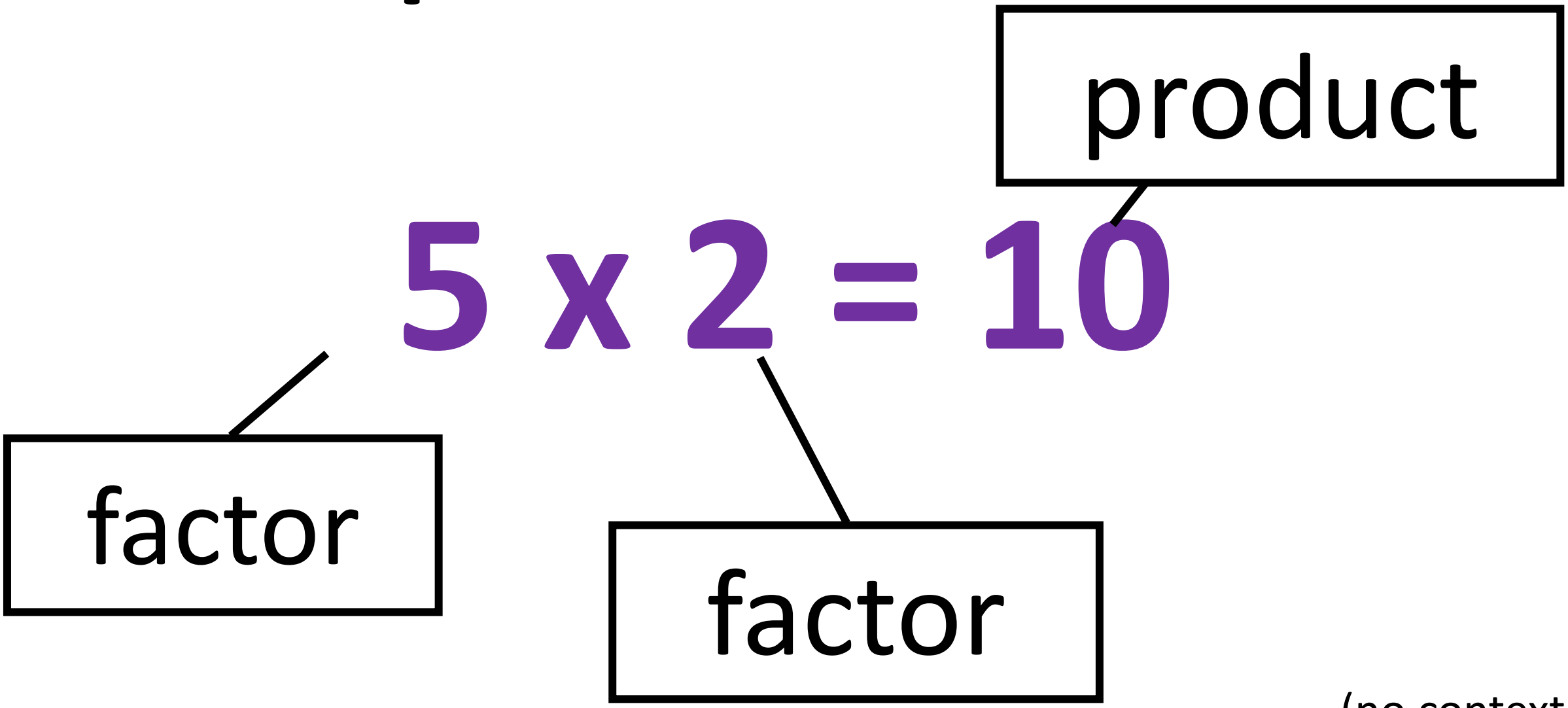
It helps us with **Commutativity**
What does commutative mean?

**Commutativity** is when 2 numbers can be added or multiplied & the same answer will be found no matter what order they are in.

# Key vocabulary

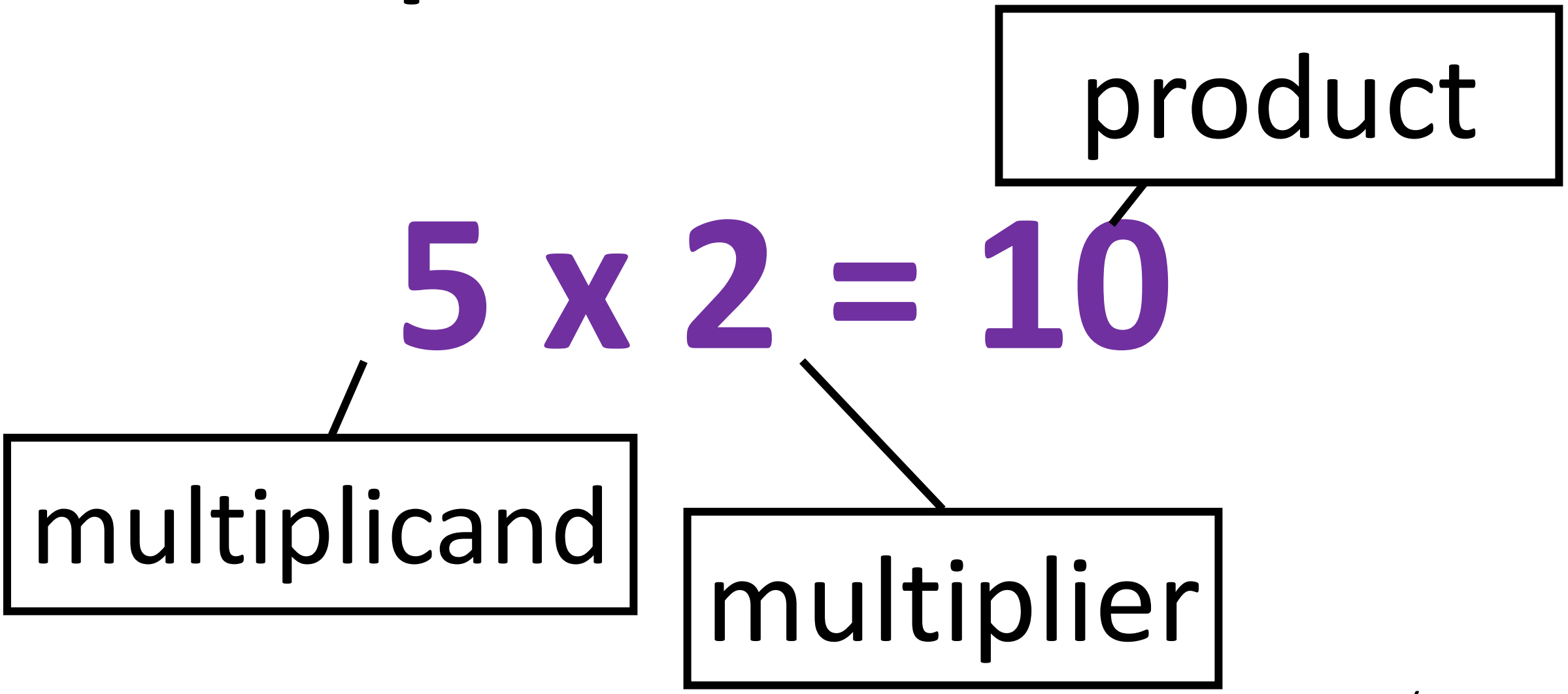
Multiplication
Division
Digits
Multiples
Factors
Multiplicand
Multiplier
Product
Commutative
Product

# x Multiplication Calculation x




(no context)

# x Multiplication Calculation x




(context)

Watch Mrs Hickman's teaching video here:

https://youtu.be/uvxRqfnYjJk

Do the questions along with Mrs H again today! ☺

# Independent Practice

Task 1 – copy and complete

246 x 27

127 x 38

329 x 26

164 x 43

If you are finding these tough, why don't you try 2 digit x 2 digits again from yesterday.

Eg. 23 x 14 34 x 32 17 x 15

Here are examples of Dexter's maths work.

| | | | | | |
|---|---|---|---|---|---|
| | | | 9 | 8 | 7 |
| × | | | | 7 | 6 |
| | | 5 | 5 9 | 4 2 | 2 |
| | | 6 | 6 9 | 4 0 | 9 |
| | 1 | 1 2 | 8 | 1 3 | 1 |

| | | | | | |
|---|---|---|---|---|---|
| | | | 3 | 2 | 4 |
| × | | | | 7 | 8 |
| | | 2 | 1 5 | 3 9 | 2 |
| | 2 | 1 2 | 2 6 | 8 | 0 |
| | | 3 | 2 | 7 | 2 |

He has made a mistake in each question.

Can you spot it and explain why it's wrong?

Correct each calculation.

# Answers coming up!

No peeking!

# ANSWERS

6642

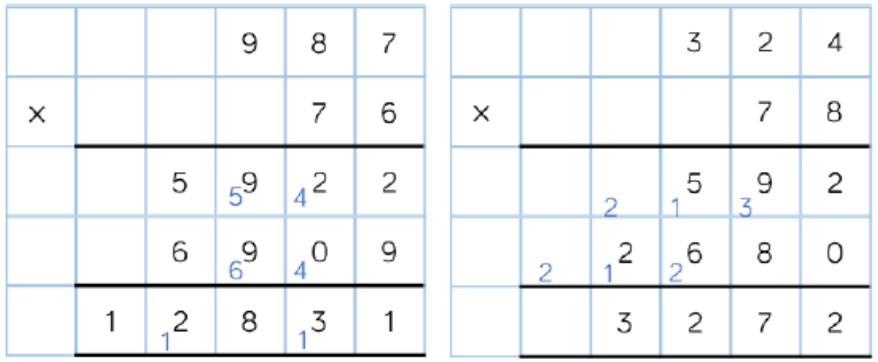
4826

8554

7052

# Challenge answers

Here are examples of Dexter's maths work.



| | | | | | |
|---|---|---|---|---|---|
| | | | 9 | 8 | 7 |
| × | | | | 7 | 6 |
| | | 5 | $^{5}9$ | $^{4}2$ | 2 |
| | | 6 | $^{6}9$ | $^{4}0$ | 9 |
| | 1 | $^{1}2$ | 8 | $^{1}3$ | 1 |

| | | | | | |
|---|---|---|---|---|---|
| | | | 3 | 2 | 4 |
| × | | | | 7 | 8 |
| | | $^{2}$ | $^{1}5$ | $^{3}9$ | 2 |
| | $^{2}$ | $^{1}2$ | $^{2}6$ | 8 | 0 |
| | | 3 | 2 | 7 | 2 |

He has made a mistake in each question.

Can you spot it and explain why it's wrong?

Correct each calculation.

In his first calculation, Dexter has forgotten to use a zero when multiplying by 7 tens.
It should have been
$987 \times 76 = 75{,}012$

In the second calculation, Dexter has not included his final exchanges.
$324 \times 8 = 2{,}592$
$324 \times 70 = 22{,}680$
The final answer should have been 25,272