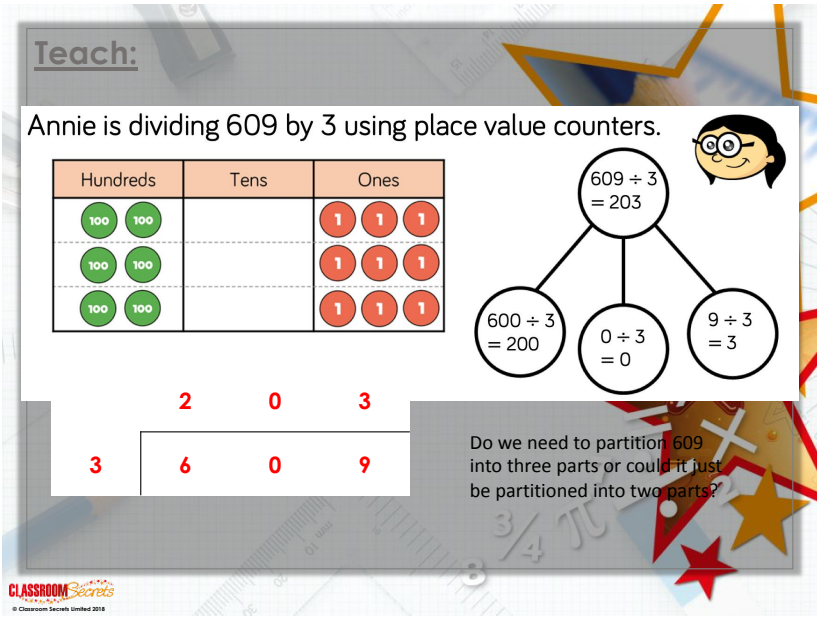
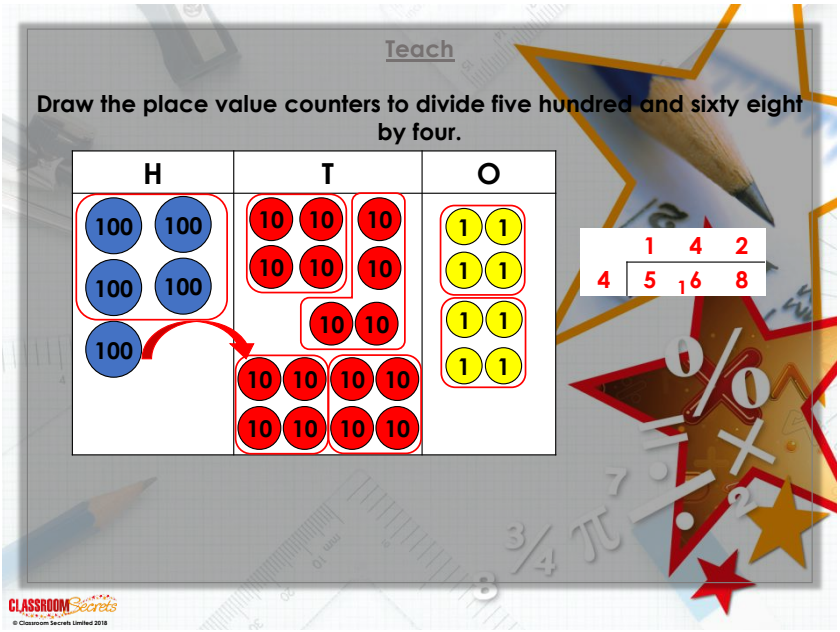
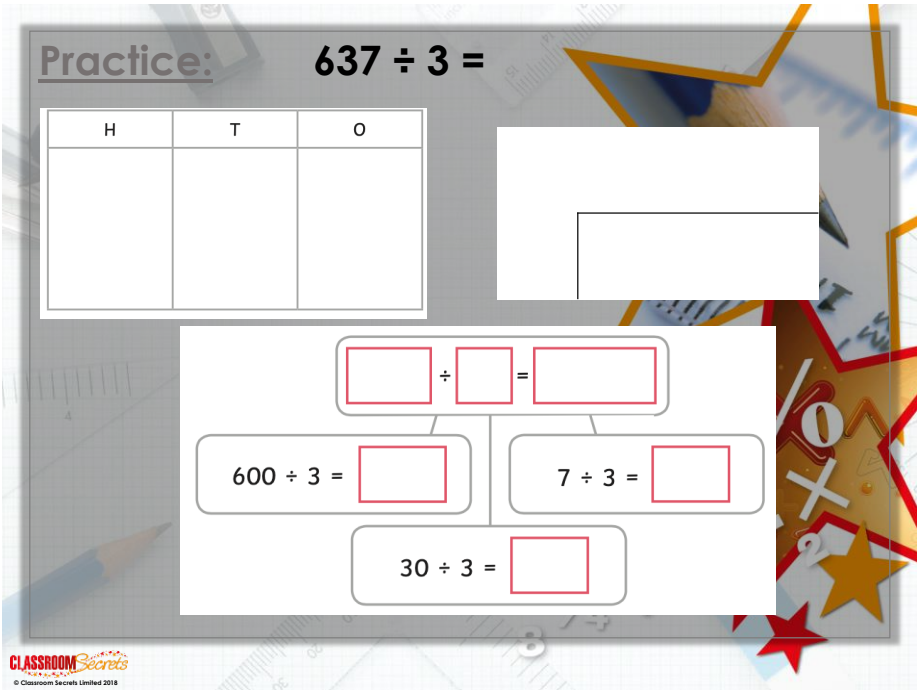
Year 4 Remote Learning – Week 6

Subject	Work at home ideas
Maths- Times Table Rock Stars Mental Maths practice- https://www.topmarks.co.uk/maths-games/daily10 Hit the button- https://www.topmarks.co.uk/maths-games/hit-the-button	Monday- **LI: Can I divide 3-Digits by 1-Digit?**  


Practice:
637 ÷ 3 =
H
T
O
÷
=
600 ÷ 3 =
7 ÷ 3 =
30 ÷ 3 =
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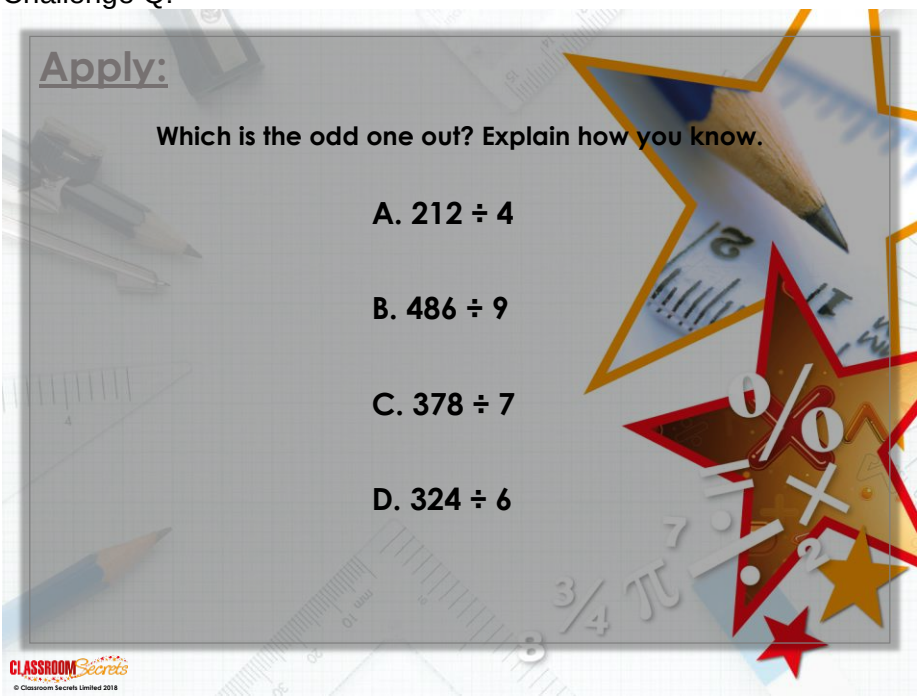
Challenge Q:


Apply:
Which is the odd one out? Explain how you know.
A. 212 ÷ 4
B. 486 ÷ 9
C. 378 ÷ 7
D. 324 ÷ 6
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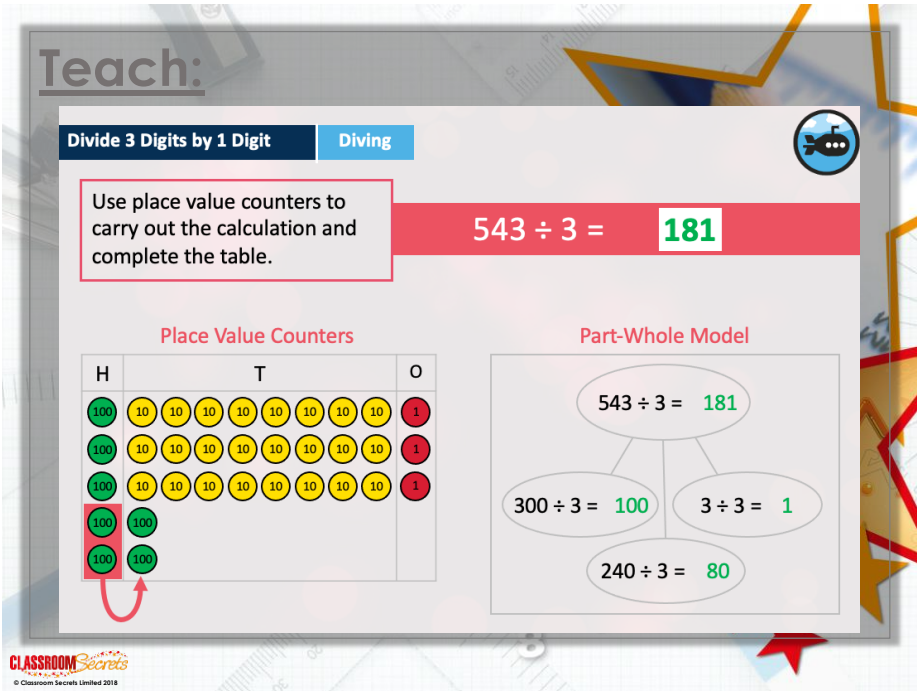
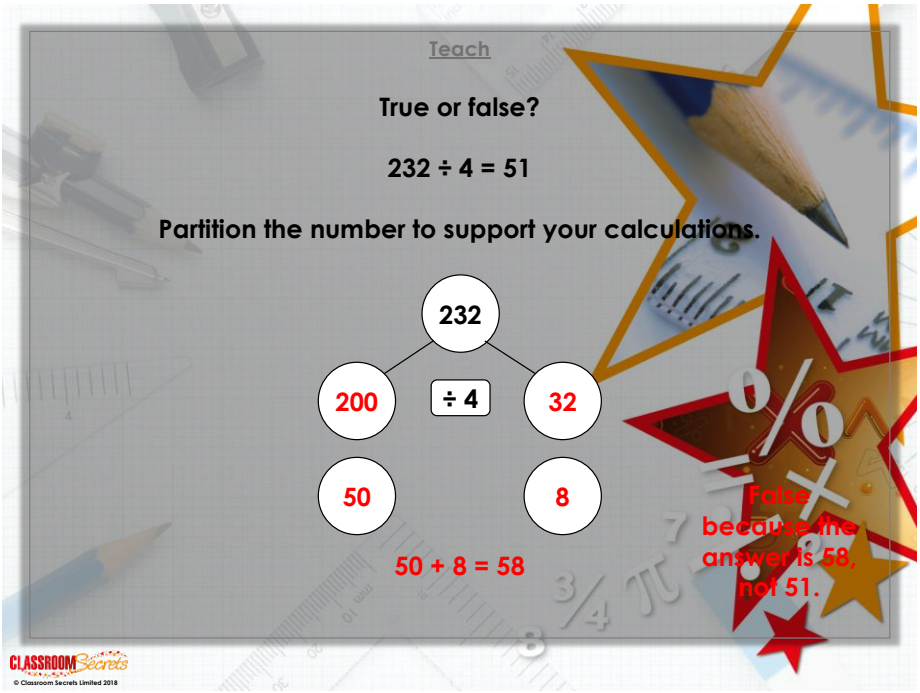
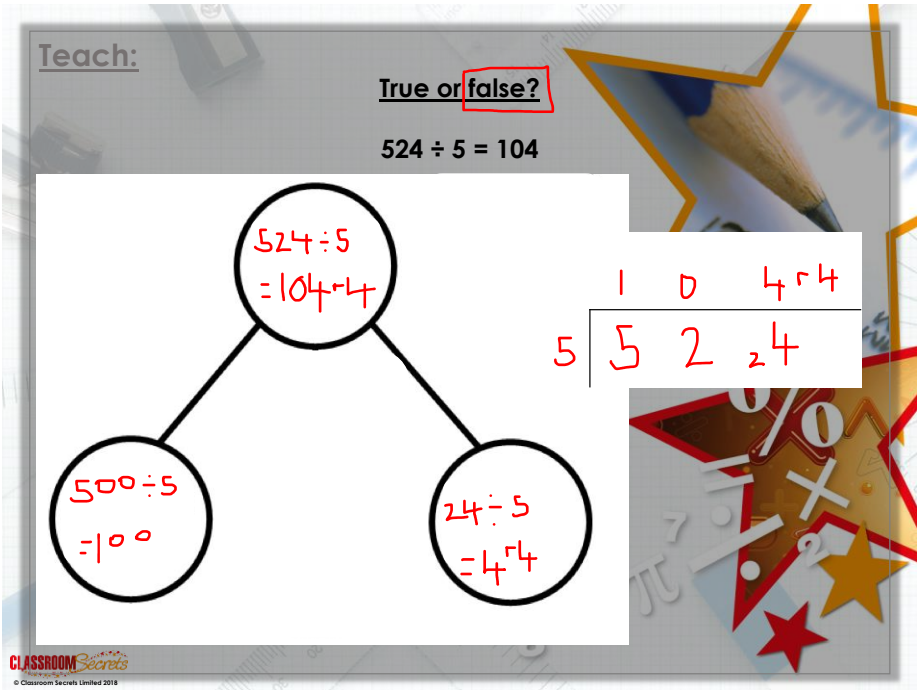
Tuesday- **LI: Can I divide 3-Digits by 1-Digit?**






Teach:
True or false?
524 ÷ 5 = 104
524 ÷ 5 = 104 r 4
500 ÷ 5 = 100
24 ÷ 5 = 4 r 4
1 0 4 r 4
5 | 5 2 24
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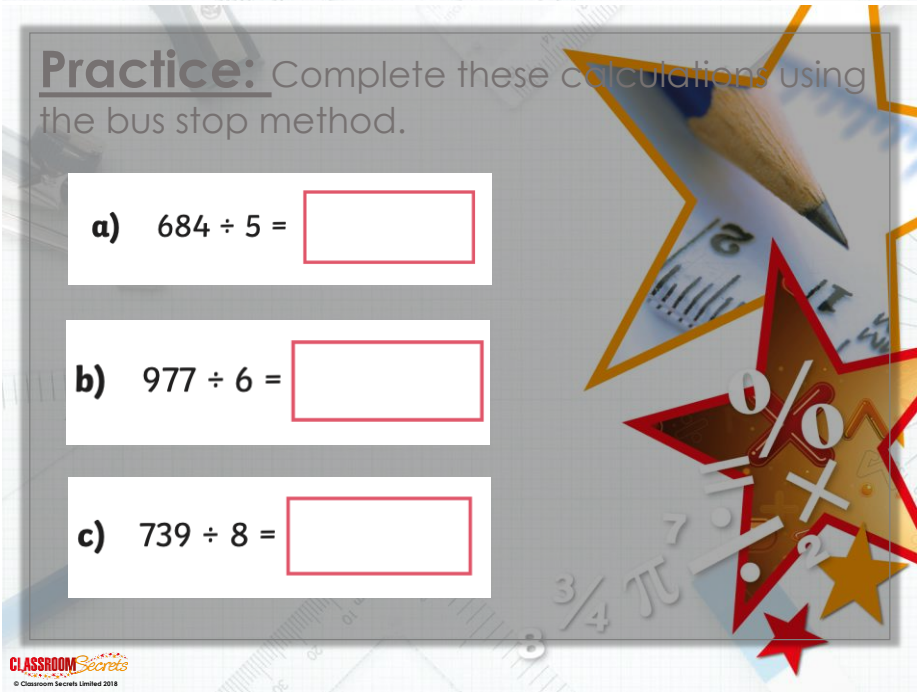
Practice: Complete these calculations using the bus stop method.
a) 684 ÷ 5 =
b) 977 ÷ 6 =
c) 739 ÷ 8 =
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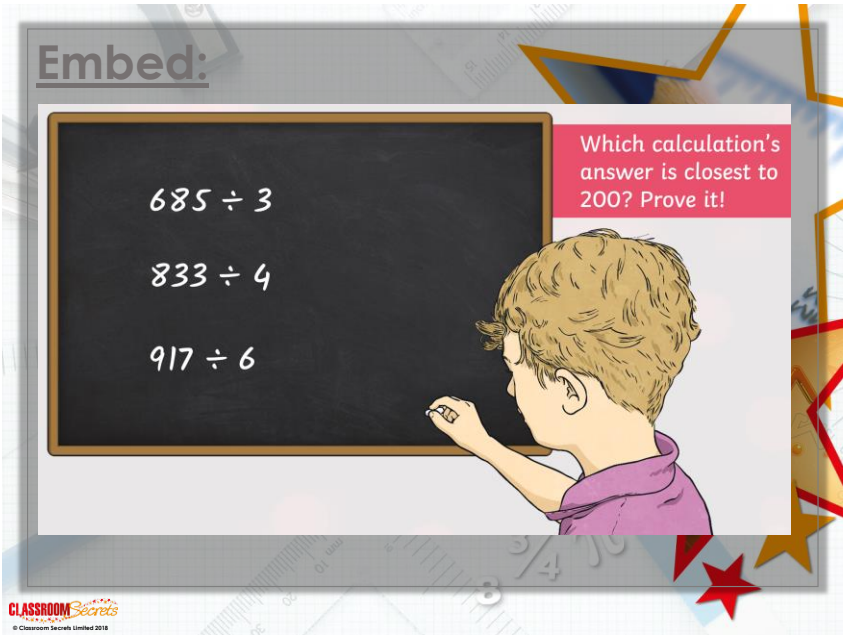
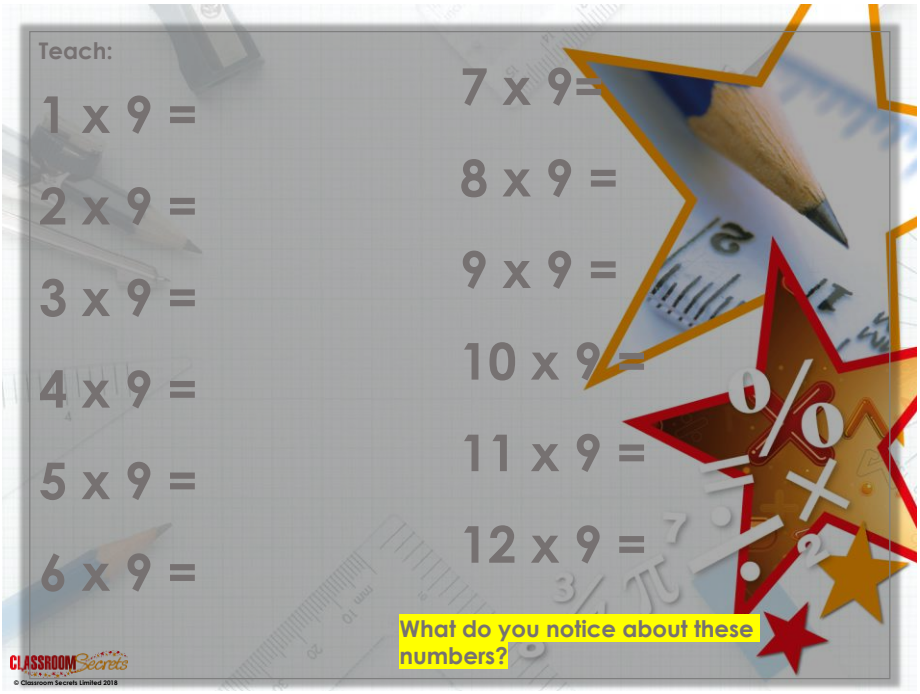
Challenge Q:



Wednesday- **LI: Can I multiply and divide by 9?**



Watch this song to help to learn your 9 times table:
https://www.youtube.com/watch?v=WiKqUNzuGXw

Here is another trick which may help you remember the 9 times table:
https://www.youtube.com/watch?v=jEIeFV4oMp4

Teach:

Always, Sometimes, Never

All multiples of 9 have digits that have a sum of 9.

$1 \times 9 = 18 \rightarrow 1 + 8 = 9$

$5 \times 9 = 45 \rightarrow 4 + 5 = 9$

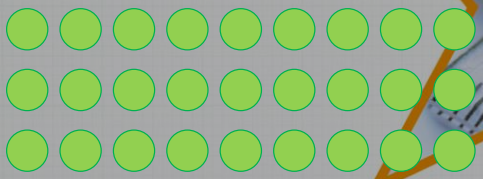
$11 \times 9 = 99 \rightarrow 9 + 9 = 18 \rightarrow 1 + 8 = 9$

Always.

Teach:

True or false?

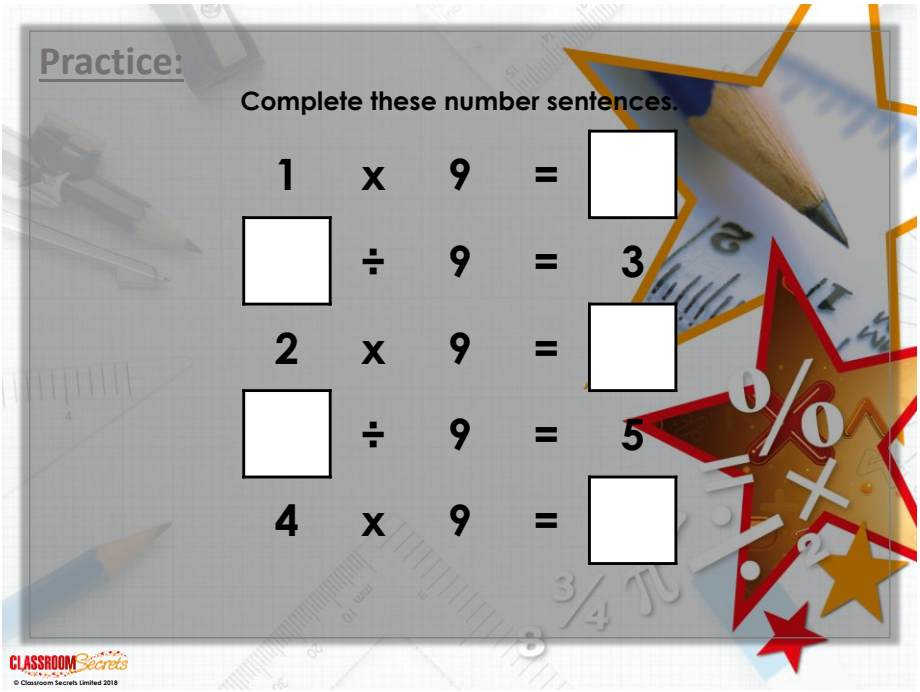
The number sentences below match this array.



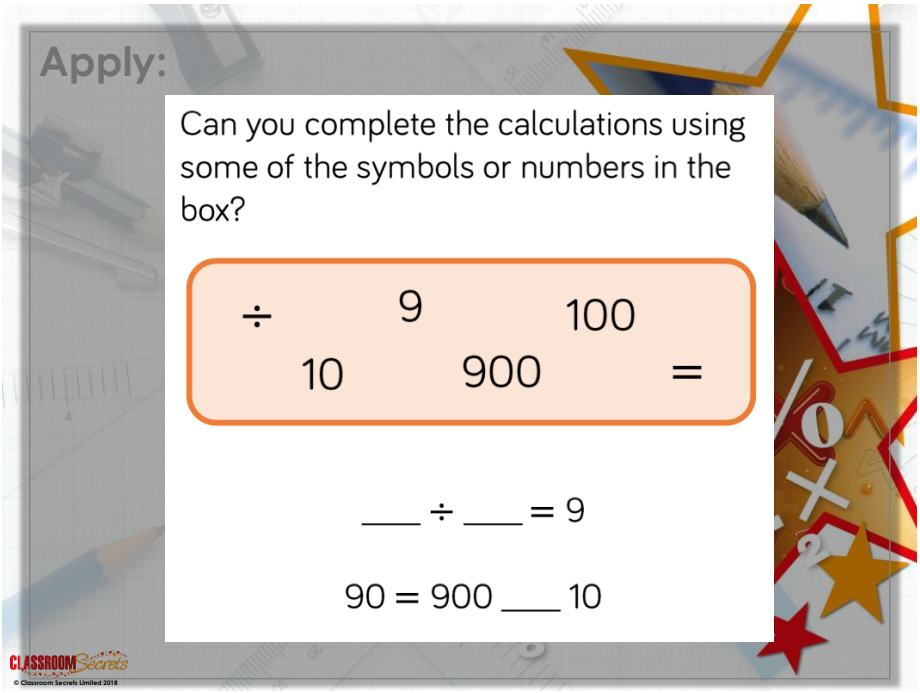
3 x 9 = 26

26 ÷ 9 = 3

False; 3 x 9 = 27 and 27 ÷ 9 = 3.



Challenge Q:



Thursday- **LI: Can I solve correspondence problems?**

Teach:

What are correspondence problems?

Correspondence problems involve finding the number of possible combinations for different groups of items. The combinations are every possible choice that could be made if you were to pick one item out of each group.

Teach:

An ice-cream van has 4 flavours of ice-cream and 2 choices of toppings.

Ice-cream flavour	Toppings
Vanilla V Chocolate C Strawberry S Banana B	Sauce S Flake F

How many different combinations of ice-cream and toppings can be made?

Complete the multiplication to represent the combinations.

4 × 2 = 8 There are 8 combinations.

What combinations are there? (Use a code to work out your answer)

VS
VF
CS
CF
SS
SF
BS
BF

Teach:

3a. Pippa and Saif are looking at bugs in 2 bug hotels. There are a total of 32 different combinations of bugs.

Pippa

I think there are 12 bugs in hotel A and 3 bugs in hotel B.

I think there are 8 bugs in hotel A and 4 bugs in hotel B.

Saif

Who is correct? Prove it.

Saif because 8 x 4 = 32.

Teach:

5a. There are 100 legs in total. This is made up of dogs and spiders.

What combination of dogs and spiders could there be?

4 x 5 = 20

8 x 10 = 80

20 + 80 = 100

Practice:

Here are the meal choices in the school canteen.

Starter	Main	Dessert
Soup Garlic Bread	Pasta Chicken Beef Salad	Cake Ice-cream Fruit Salad

There are 2 choices of starter, 4 choices of main and 3 choices of dessert.

How many meal combinations can you find? Can you use a systematic approach?

Challenge Q:

Apply:

6a. Debbie and Tom are in a pet shop buying fish from 2 tanks. There are a total of 60 different combinations of fish.

Debbie

I think there are 12 fish in tank A and 5 fish in tank B.

I think there are 6 fish in tank A and 10 fish in tank B.

Tom

Who is correct? Prove it.