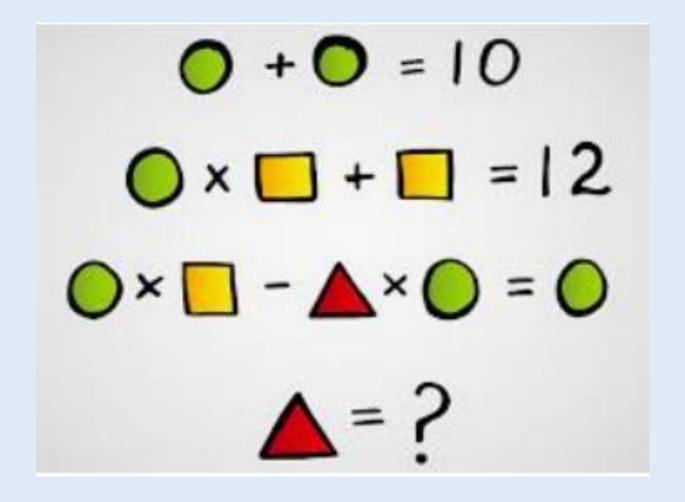# Maths- Skills

This lesson will be live on teams for your class at;

9am-5L

10am-5H

11am-5M

Learning objective; To revisit column multiplication and bus stop division.
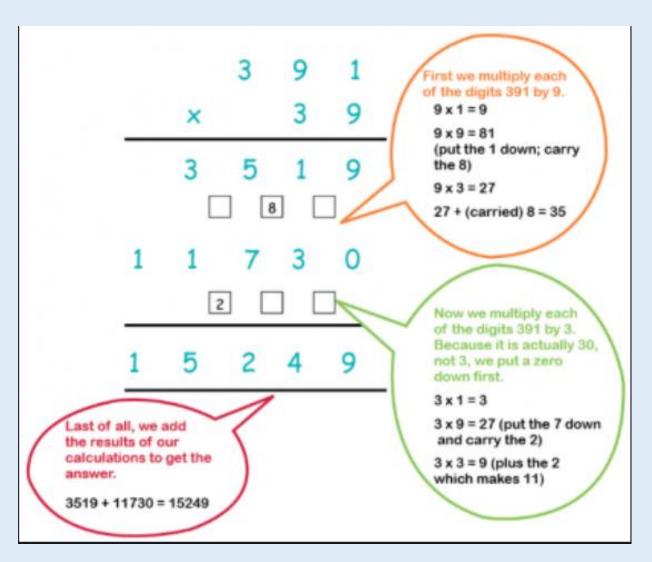
Warm up-

To multiply using the column method

You will need to use the column multiplication method today.

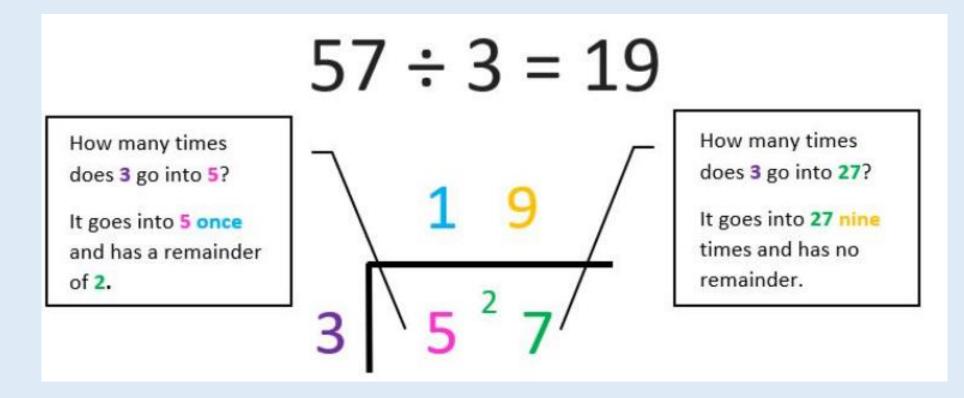Think back to yesterdays lesson and use this video to support it.

To Divide using the bus stop method

You will need to use the short division (bus stop) method today.

Think back to yesterdays lesson and use this video to support it.

https://www.youtube.com/watch?v=5R37L_aMNvQ

$$57 \div 3 = 19$$

How many times does 3 go into 5?

It goes into 5 once and has a remainder of 2.

How many times does 3 go into 27?

It goes into 27 nine times and has no remainder.

$$3 \overline{\smash{)} 5\,^2 7}$$

1 9

Today you are going to be working with some word problems involving multiplication and division.

1) Choose which difficulty you would like to work at.
2) read the question carefully to understand if it a multiplication or a division.
3) Create a number sentence to show your workings.
4) complete the calculation.
5) Write your answer in words, make sure to refer to the correct measurement used in the question.

A football club has an average attendance of 321 people to each match. What is the total attendance for the 23 matches played this season.

$859 \times 29 =$

$$
\begin{array}{r}
3\ 2\ 1 \\
\times\ 2\ 3 \\
\hline
9\ 6\ 3 \\
+\ 6\ 4\ 2\ 0 \\
\hline
7\ 3\ 8\ 3 \\
\hline
\end{array}
$$

There have been 7383 people to the matches this season.

1*

1. There are 15 biscuits in a packet. A shop orders 156 packets. How many biscuits will be in the 156 packets?

2. A school buys 1122 pencils in total. The school has 11 classes. How many pencils will each class receive?

3. A pupil has collected 780 stamps. He has 15 pages in his stamp book. How many stamps will be on each page?

4. It takes 18 minutes to make a toy car. How many minutes will it take to make 205 cars?

5. A toy factory produces 4536 toys a day. There are 21 machines making the toys. How many toys does each machine produce?

6. A cinema has 21 screens. Each screen has 297 seats. How many seats are there in the cinema?

7. Eggs are sold in trays of 24. In a week, a farmer sells 372 trays. How many eggs does he sell in one week?

8. A local football club's full attendance equals 192 people. If there are 12 rows of seats in the stadium, how many people sat in each row?

3*

1. There are 17 biscuits in a packet and 3 packets in a box. A supermarket orders 15 379 boxes. How many biscuits will be in the 15 379 boxes?

2. A school buys 8960 pencils for its pupils over 35 days. How many pencils did they buy each day?

3. A wholesaler sells mangoes for 84p each. The wholesaler sells 13 330 mangoes in one week. How much money will the wholesaler receive for the mangoes?

4. A man drove 9240 miles in 7 days. On average how many miles was he covering in an hour?

5. A machine makes 60 802 bottle tops in a week. In a 52-week working year, how many bottle tops are made in a year?

6. A cinema has an average weekly attendance of 24 356 people. The average ticket sales are £5 per ticket. What is the total income in a 13-week quarterly period?

7. A lorry contains 9360 sweets. Each box in the lorry contains 26 packets of sweets. If each bags contains 8 sweets. How many packets of sweets are there?

8. A local football club's full attendances for the last 11 weeks equal 6996. If there are 12 rows of seats in the stadium how many people sat in each row, each week?

Plenary- write your own question

Look at these number sentences, can you create a set of word problems to ask these questions?

$108 \div 9 =$ $5 \times 8 =$

$54 \div 9 =$ $8 \times 11 =$

Answers -

1*

1. There are 15 biscuits in a packet. A shop orders 156 packets. How many biscuits will be in the 156 packets? **2340**

2. A school buys 1122 pencils in total. The school has 11 classes. How many pencils will each class receive? **102**

3. A pupil has collected 780 stamps. He has 15 pages in his stamp book. How many stamps will be on each page? **52**

4. It takes 18 minutes to make a toy car. How many minutes will it take to make 205 cars? **3690**

5. A machine makes 16 dice in a minute. A working day is 264 minutes. How many dice are made in 264 minutes? **4224**

6. A cinema has 21 screens. Each screen has 297 seats. How many seats are there in the cinema? **6237**

7. Eggs are sold in trays of 24. In a week, a farmer sells 372 trays. How many eggs does he sell in one week? **8928**

8. A local football club's full attendance equals 192 people. If there are 12 rows of seats in the stadium, how many people sat in each row? **16**

3*

1. There are 15 biscuits in a packet. A shop orders 156 packets. How many biscuits will be in the 156 packets? **2340**

2. A school buys 8960 pencils for its pupils over 35 days. How many pencils did they buy each day? **256**

3. A greengrocer has £85.68 after selling all of his coconuts. Each coconut costs 84p. How many coconuts did he sell? **102**

4. A man drove 9240 miles in 7 days. On average how many miles was he covering in an hour? **55 miles**

5. A machine makes 16 dice in a minute. A working day is 264 minutes. How many dice are made in 264 minutes? **4224**

6. A cinema has 21 screens. Each screen has 297 seats. How many seats are there in the cinema? **6237**

7. A lorry contains 9360 sweets. Each box in the lorry contains 26 packets of sweets. If each bags contains 8 sweets. How many packets of sweets are there? **45**

8. A local football club's full attendances for the last 11 weeks equal 6996. If there are 12 rows of seats in the stadium how many people sat in each row, each week? **53**