

WALT: Can I multiply by 8?

Lesson 1 Week 4

True or false?

Look at the image below. How many groups are there?

How many is in each group?

Is the total 48?



$$8 \times 7 = 48$$

Starter...

Double each of the numbers below and then double your answer.

Remember double means two lots of a number, so the first one would be...

$$2 + 2 = 4 \quad 4 + 4 = 8$$

Double 2 is and double again gives

Double 12 is and double again gives

Double 9 is and double again gives

Double 8 is and double again gives

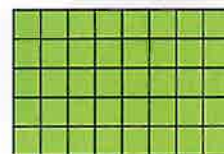
Have a look at this...

Looking at this image, count how many squares are across the top and then count how many squares go down, what is the number sentence?

Squares across the top...

Squares down the side...

... x ... =



Let's try this!

You can see that there are 8 groups with 9 cubes in each group. The picture represents the number sentence, what is the answer?

Use the cubes to help you!



$$8 \times 9 = \square$$

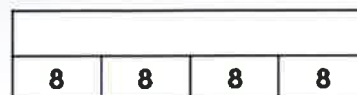
What is this representing?

Look at this bar model.

What number sentence is it representing?

How many 8s are there? $\square \times 8 =$

What is the answer? Can you write a lovely list to help you? Or do you already know your 8 times tables?!



Just a reminder...

Remember the bigger number gets eaten by the crocodile!

Problem Solving!

Using the digit cards, complete the number sentences below.

This is problem solving, you might try one and it doesn't work, so try another! Until you get the correct answer and have used all the digit cards.

$8 \times \square = 24$
 $2 \times 3 \times \square = 24$
 $2 \times 2 \times \square \times 3 = 24$

4 3 2

Now try this...

Using the $<$, $>$ or $=$ symbols to complete the statement.

So, find the answer to each and then see whether the answer to the green grid is greater than, less than or equal to the bar model.

(Remember the greater number gets eaten by the crocodile!)

8	8	8	8

○

Your task!

Complete the 'Multiply by 8' sheets, either from Microsoft Teams/the school website or from your Home Learning pack. You will need to show how you have worked it out for some!

Don't forget to take a picture of your work and email it to your teacher or upload it when you turn in your assignment on Microsoft Teams.

Reasoning and Problem Solving

Matilda and Tom are multiplying by 8.
Look at what they both say.

There are 10 lots of 8.
10 lots of 8 equals 80.

Matilda

There are 11 lots of 8.
11 lots of 8 equals 88.

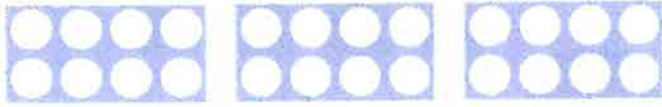
Tom

Who is correct? Prove it.

Count how many flowers there are, that is how many groups there are. Then, count the petals on each flower, that is how many is in each group. So, there are ___ lots of ___ which equals ___.

Multiply by 8

1a. Use the information given to answer the questions below.



$$8 + 8 + 8 = \square$$

$$\square \times 8 = 24$$



VF

Multiply by 8

1b. Use the information given to answer the questions below.



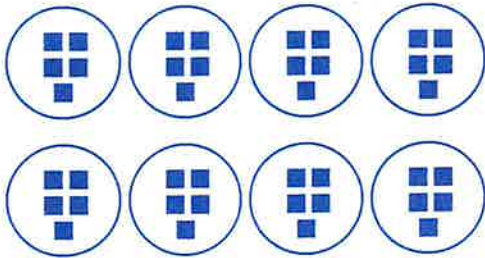
$$8 + 8 = \square$$

$$\square \times 8 = 16$$



VF

2a. Use the image below to solve the calculation.

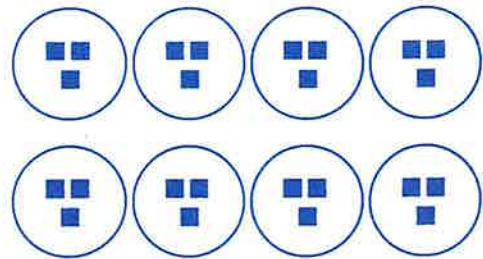


$$8 \times 5 = \square$$



VF

2b. Use the image below to solve the calculation.



$$8 \times 3 = \square$$



VF

3a. True or false?

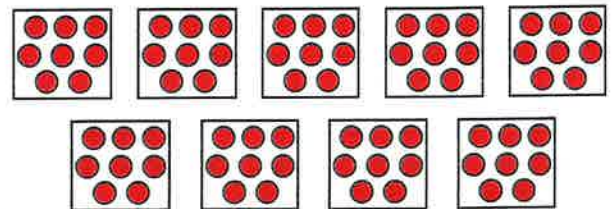


$$8 \times 6 = 42$$



VF

3b. True or false?

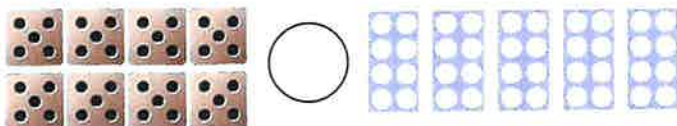
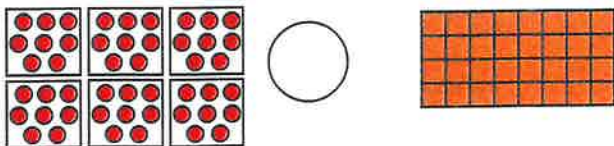


$$8 \times 9 = 72$$



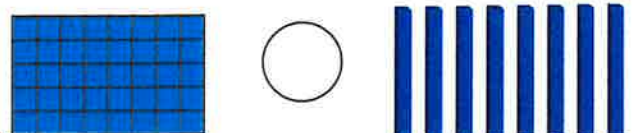
VF

4a. Use $<$, $>$ or $=$ to complete the inequality statements below.



VF

4b. Use $<$, $>$ or $=$ to complete the inequality statements below.



VF

Multiply by 8

1a. Henry and Will are multiplying by 8.



Henry

There are 3 lots of 8.
3 lots of 8 equals 22.

There are 3 lots of 8.
3 lots of 8 equals 24.



Will

Who is correct? Prove it.



Multiply by 8

1b. Rach and Hayley are multiplying by 8.



Rach

There are 8 lots of 8.
8 lots of 8 equals 48.

There are 8 lots of 4.
8 lots of 4 equals 32.

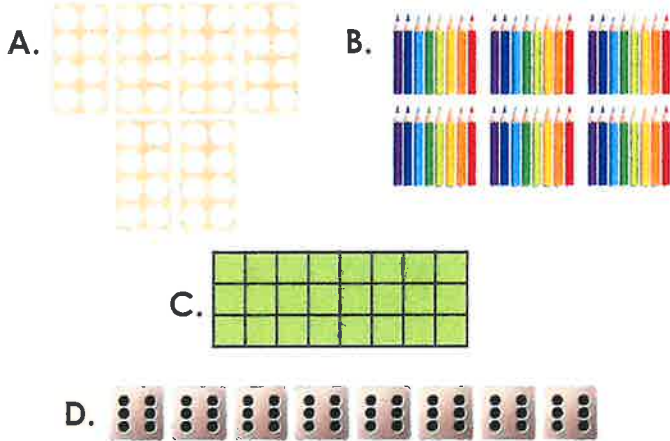


Hayley

Who is correct? Prove it.



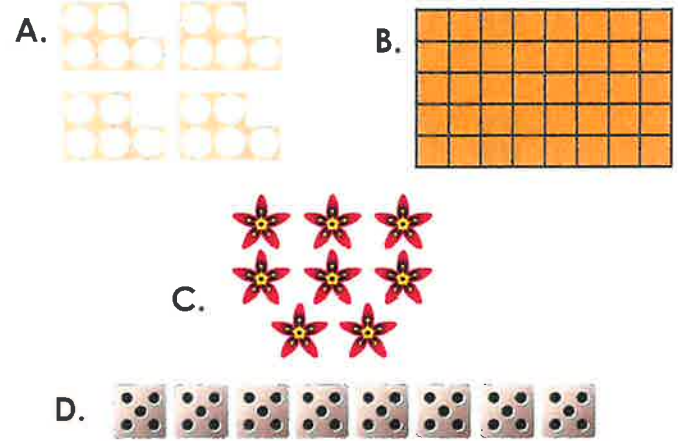
2a. Which calculation is the odd one out?



Explain why.



2b. Which calculation is the odd one out?



Explain why.



3a. Using the digit cards, complete the number sentences below.



$$\square \times 8 = 56$$

$$2 \times 2 \times \square \times 7 = 56$$

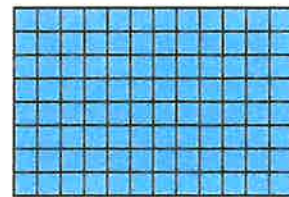
2

8

7



3b. Using the digit cards, complete the number sentences below.



$$\square \times 12 = 96$$

$$4 \times \square \times 2 = 96$$

4

8

12



Spellings

WALT: Can I use the prefixes -mis and -re?

Let's recap.

What is a prefix?

A prefix is a few letters/word that is added to the beginning of a root word.

For example: un- You can add un- to happy = unhappy.

What is a suffix?

A suffix is a few letters/word that is added to the end of a root work.

For example: -ly You can add -ly to quick = quickly

What is a root word?

A root word is a basic word with no prefixes or suffixes added to it.

Read the following words out loud. Can you add the prefixes mis- or re- to any of them? Write down as many as you can.

appear	try	remember
build	take	write
play	behave	hear
do	apply	calculate
turn	take	read

What do you think the prefixes mis- and re- mean? How do you think they change the meaning of a word?

How does adding mis- affect the meaning of a root word?

mislead

misprint

misuse



The mis- prefix gives these root words a negative meaning. 'Mis-' means wrong.

re-

- re- means 'again' or 'back'

• Can you spot the words beginning with the prefix re- in the sentences?

• Do you know what the words mean?



The children were **rebuilding** the sandcastle.



Jack was **rereading** his favourite story.



The sun was **reappearing** from behind the cloud.

Can you tell me what word with the prefix *mis-* or *re-* I am looking for using the meaning below? The first one is done for you.

1. To be naughty - ***misbehave***
 2. To play a song again - ?
 3. To not listen to something correctly - ?
 4. To do something again - ?
 5. To put something down and lose it - ?
 6. To marry again - ?
-

Task: Can you write 10 sentences? 5 of them have to include a word with the prefix *mis-* and the other 5 have to include a word with the prefix *re-*

appear	try	remember
build	take	write
play	behave	hear
do	apply	calculate
turn	take	read

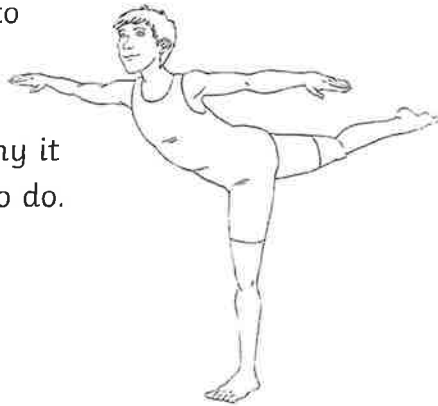
Example:

*I did my home learning today and didn't make a single **mistake**.*

Gymnastics: Movement

All about Gymnastics

Design a poster to explain what gymnastics is all about and why it is a good sport to do.



Class Jumping Challenge

Practise these jumps every day for a week:

- jumping jacks;
- tuck jumps;
- star jumps.

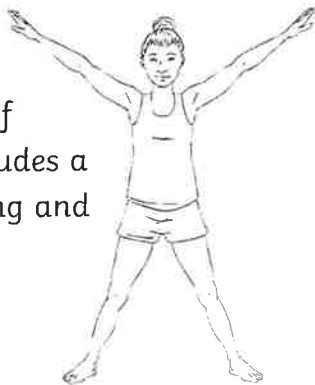
At the end of the week, time how many of each jump you can do in 30 seconds. Will you be the class winner?



Planning a Warm-Up

Warming up before any exercise is very important as it increases the heart rate and helps to loosen joints and muscles which prevents injuries.

Plan a ten minute warm-up activity of your own that includes a mixture of stretching and aerobic activities.



Strengthening

A good gymnast has strong muscles. Find out how to perform these strengthening exercises correctly and practise ten each day:

- squats;
- press-ups;
- sit-ups.

Write down which parts of the body are being strengthened in each exercise.



Stretching

A good gymnast has flexible joints and muscles. Practise ten of these stretches each day:

- While standing up, touch your toes, keeping your legs straight.
- Clasp your hands behind your back and lift your arms.
- While kneeling, reach your arms back to hold onto your ankles (try to keep your legs together).

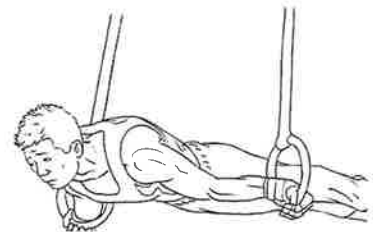
Write down which parts of the body are being stretched in each exercise.



Gymnastics in the Local Area

Find out about any gymnastics clubs or courses in your local area (or as close as possible).

Write down their names and addresses and explain what type of gymnastics they do.



Year 3 and 4 Statutory Spellings

height

history

imagine

increase

important

interest

island

knowledge

learn

length

Day 1 Challenge

$3 \times 3 =$	$11 \times 3 =$	$1 \times 4 =$
$5 \times 3 =$	$7 \times 3 =$	$8 \times 4 =$
$6 \times 3 =$	$12 \times 3 =$	$5 \times 4 =$
$10 \times 3 =$	$9 \times 3 =$	$2 \times 4 =$
$1 \times 3 =$	$3 \times 4 =$	$11 \times 4 =$
$8 \times 3 =$	$4 \times 4 =$	$7 \times 4 =$
$4 \times 3 =$	$6 \times 4 =$	$12 \times 4 =$
$2 \times 3 =$	$10 \times 4 =$	$9 \times 4 =$

My score:

24