



# **Marlborough Primary Academy**

**Home Learning**

**Class 3M**

**Week Beginning**

**08/06/2020**



Marlborough Primary  
Academy

Class  
3M

Home Learning  
Day 1

Date  
8/6/20

Daily activities - 5 a-day!

1) TTRockstars - 30 minutes

2) Morning maths

3) Independent Reading - 30 minutes

4) Spelling - 20 minutes

5) P.E. - Joe Wicks workout

English

Reading

Carefully look at the picture (By the River) and answer the questions. Write the answers in your English book.

Maths

Add two 3-digit numbers (crossing 10  
or 100)

Watch the video, complete the activities  
and check your answers.

[Video](#)

[Worksheet](#)

[Answers](#)

STEM/Creative

See the creative STEM activity sheet for today.

# STEM Creative Monday

## Squiggle animals

Give your creativity a workout with this fun game.

1. Draw some random squiggles onto a sheet of paper.
2. Now turn each squiggle into a different animal.
3. Try and make each animal different.

Check out my squiggle horse!



In this [video](#) the artist does something similar but uses a much bigger squiggle! I think you'll agree it's almost as good as mine!

## By the River





### By the River – Follow-Up Work

1. Who can you see in the picture?

2. What do you think she is doing?

3. What is the weather like? How do you know?

4. Where in the world could she be?

5. Do you think she is there just for the day? How do you know?

6. Do you think she likes the river?

7. What do you think she might be able to hear?

8. Would you like to go there?

9. If you could ask the lady in the picture a question, what would it be?

10. What might be living in the forest by the river?

## Add two 3-digit numbers – crossing 10 or 100



1 Complete the column addition.

a)  $235 + 157$

Hundreds	Tens	Ones

	H	T	O
	2	3	5
+	1	5	7

b)  $372 + 144$

Hundreds	Tens	Ones

	H	T	O
	3	7	2
+	1	4	4

2 Tick the additions that need an exchange of ones for a ten.

		H	T	O			H	T	O			H	T	O
		2	3	8			4	2	7			3	0	8
	+	1	4	1		+	2	6	8		+	1	5	1

How do you know if an addition needs to exchange 10 ones for a ten?

3 Dani uses counters to represent an addition.

H	T	O

a) What addition is Dani trying to work out?

b) Work out the answer to the addition.

c) How many exchanges did you have to do?

4 Work out the additions.

a)

	H	T	O
	1	8	7
+	4	7	1

c)  $718 + 108$


b)

	H	T	O	
	5	1	7	m
+	2	3	4	m

d)  $526 + 294$


5 a) Tick the additions with an answer that ends in zero.

$317 + 203$	<input type="checkbox"/>	$192 + 784$	<input type="checkbox"/>	$390 + 177$	<input type="checkbox"/>
$455 + 165$	<input type="checkbox"/>	$386 + 184$	<input type="checkbox"/>	$319 + 501$	<input type="checkbox"/>

b) Did you have to work out all of the additions?

c) Complete the sentences.

The answer to  $175 + 212$  ends with a

The answer to  $609 + 175$  ends with a

The answer to  $334 + 178$  ends with a

The answer to  $716 +$   ends with a 3

6 Find the missing digits.

a)

	H	T	O
	3		2
+	4	5	
		3	7

c)

	H	T	O
	2	7	8
+	2	5	
			0

b)

	H	T	O
	1	0	9
+		2	
	5		5

d)

	Th	H	T	O
		5	7	3
+				
	1	0	0	0

7 Dexter bakes 148 biscuits on Monday.

On Tuesday he bakes 273 more biscuits than he did on Monday.

a) How many biscuits does Dexter bake on Tuesday?

b) How many biscuits does he bake in total on Monday and Tuesday?

8 Write two addition calculations that have:

- 1 exchange
- 2 exchanges.

Compare answers with a partner.





Marlborough Primary  
Academy

Class  
3M

Home Learning  
Day 2

Date  
9/6/20

Daily activities - 5 a-day!

1) TTRockstars - 30 minutes

2) Morning maths

3) Independent Reading - 30 minutes

4) Spelling - 20 minutes

5) P.E. - Joe Wicks workout

English

Vocabulary

Match the words to the definitions. You can use  
the internet or a dictionary to help you.  
Write 3 sentences including these words.

Maths

Subtract a 3-digit number from a 3-digit  
number - no exchange

Watch the video, complete the activities  
and check your answers.  
Question 7 & 9 = Challenge

[Video](#)

[Worksheet](#)

[Answers](#)

STEM/Creative

See the creative STEM activity sheet for today.



## Stem Creative Tuesday

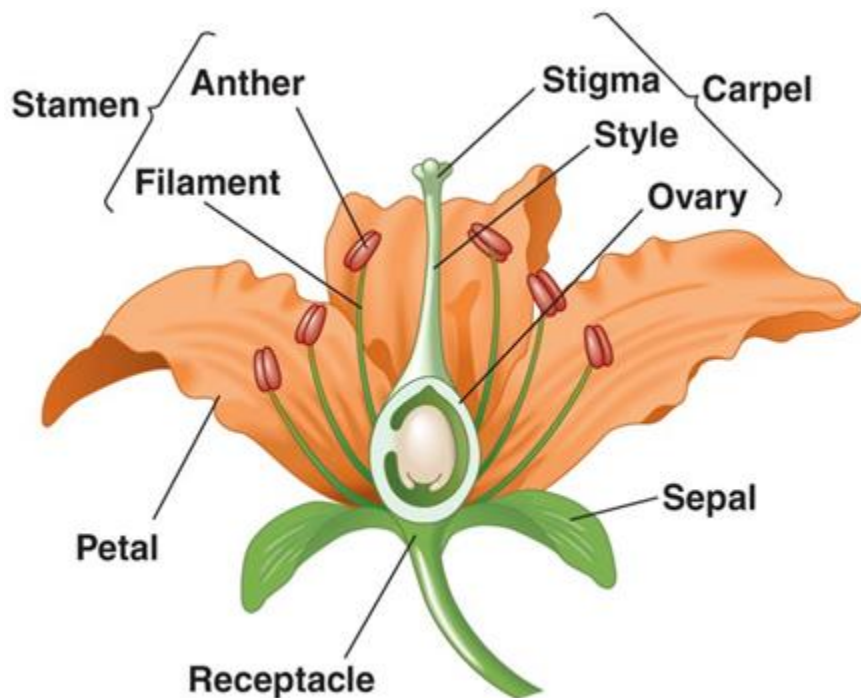
### Flowering plants

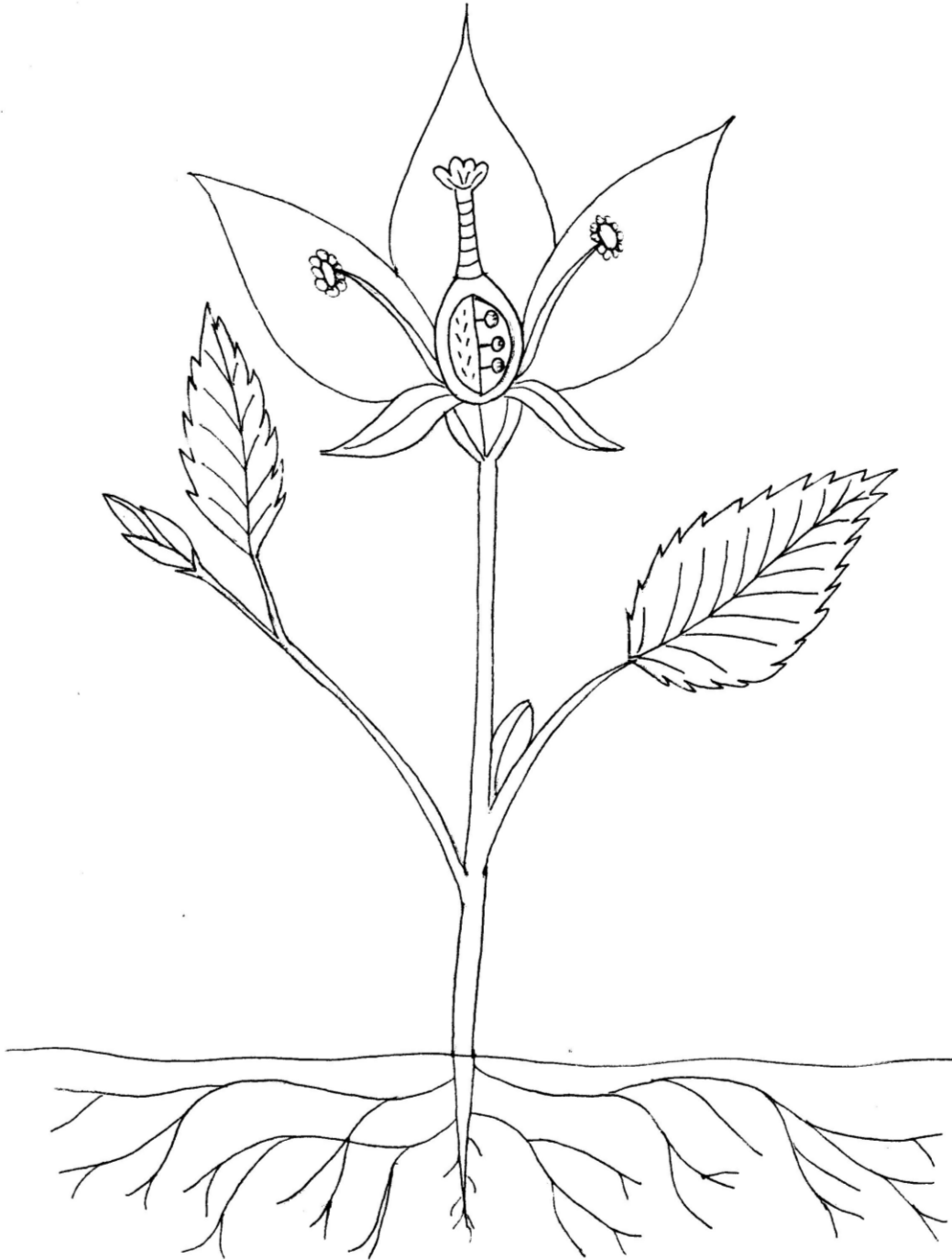
Have a look at this diagram of a flower.

It shows the different structures you find in many flowers.

Flowers are used by the plant to get their pollen to other plants by sticking it on insects that visit the flower. When pollen is taken to another plant of the same type, then that plant can use the pollen to create a seed. This happens inside the ovary.

Use this picture to create your own labelled diagram. There is a drawing on the next page for you to use or you could draw your own.





Label this picture or draw your own. You will need to use these labels:

**Stem, Leaf, Root, Flower, Petal, Sepal, Stamen and Carpel.**

You could use **filament, anther, stigma, style** and **ovary** as well.

Match the words to their definitions.

1. river

a. go from one place to another

2. tropical

b. a large back pack or bag

3. travel

c. a large stream of water

4. rainforest

d. go somewhere for a short time to see something or someone

5. rucksack

e. a very hot and wet place




6. visit

f. a hot and wet forest filled with trees, plants and animals

## Subtract 3-digit numbers from 3-digit numbers – no exchange




1 Complete the column subtractions.

a)  $358 - 226$

Hundreds	Tens	Ones
		

	H	T	O
	3	5	8
-	2	2	6

b)  $726 - 303$

H	T	O
		

	H	T	O
	7	2	6
-	3	0	3

2 Complete the subtractions.

a)

	H	T	O
	6	7	2
-	4	7	1

b)

	H	T	O
	5	6	3
-	1	5	1

3 Ron is working out  $785 - 257$

	H	T	O
	2	5	7
-	7	8	5

Do you agree with the way Ron has set out the subtraction?

Why?

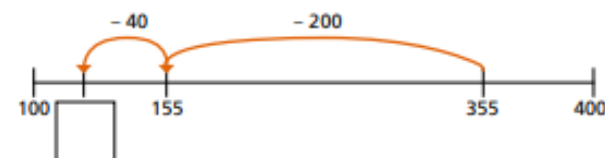
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4 Use the number line to work out the subtraction.

a)  $355 - 240 =$



b)  $835 - 501 =$



- 5 A TV costs £120 less than this computer.  
How much does the TV cost?




- 6 There are 849 people at a concert.  
There are 625 adults at the concert.

a) How many children are at the concert?

b) How many more adults than children are at the concert?

- 7 What are the values of each of the shapes?

a)

	6	★	8
–	★	▲	▲
	●	1	5

★ =

● =

▲ =

b)

	9	+	◆
–	+	4	⬠
	◆	⬠	◆

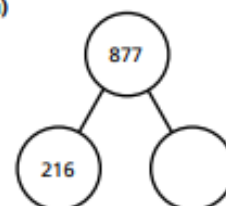
⊕ =

◆ =

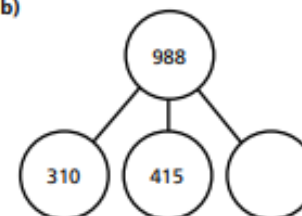
⬠ =

- 8 Complete the part-whole models.

a)



b)



- 9 Eva is subtracting 727 from 1,000



First I subtract 1 from each number.

Then I subtract the two numbers.

So  $1,000 - 727$  is the same as  $999 - 726 = 273$

Why does Eva's method work?

Talk about it with a partner.

Use Eva's method to complete the subtractions.

$1,000 - 285 =$

$1,000 - 188 =$

$800 - 636 =$







## Marlborough Primary Academy

Class  
3M

Home Learning  
Day 3

Date  
10/6/20

Daily activities - 5 a-day!

1) TTRockstars - 30 minutes

2) Morning maths

3) Independent Reading - 30 minutes

4) Spelling - 20 minutes

5) P.E. - Joe Wicks workout

### English

SPAG (Spelling, Punctuation & Grammar)

Add 's' or 'es' to the nouns to make them plural (more than one). E.g. one dog - two dogs Write sentences using the word you started with and your new word. How has this changed?

### Maths

Subtract a 3-digit number from a 3-digit number - exchange

Watch the video, complete the activities and check your answers.

[Video](#)

[Worksheet](#)

[Answers](#)

### STEM/Creative

See the creative STEM activity sheet for today.

## Stem Creative Wednesday

Have a go at the purple mash coding activity I've set you. It's all about programming fish to move around the screen.

You could also try using the free, online coding program called Scratch.

Try following this link to give it a go!

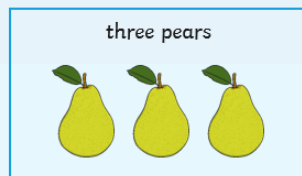
<https://scratch.mit.edu/>

# What is a plural?

Plural means 'more than one'.



For most words we just add 's' to the end of it to change it into a plural.



desk → desks

month → months

book → books

train → trains

If the word ends with one of these sounds...

sh

ch

ss

s

x

z

...then add 'es'

Add -s or -es to the words below to make them plural.

river

\_\_\_\_\_

dress

\_\_\_\_\_

hat

\_\_\_\_\_

snake

\_\_\_\_\_

monkey

\_\_\_\_\_

insect

\_\_\_\_\_

rucksack

\_\_\_\_\_

beach

\_\_\_\_\_

ice cream

\_\_\_\_\_

bus

\_\_\_\_\_

torch

\_\_\_\_\_

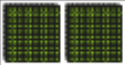


boat

\_\_\_\_\_

## Subtract a 3-digit number from a 3-digit number – exchange

1 Complete the column subtractions.


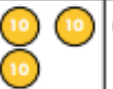

a)  $254 - 126$

Hundreds	Tens	Ones
		

	H	T	O
	2	5	4
-	1	2	6

What exchange did you have to make?

b)  $532 - 281$

Hundreds	Tens	Ones
		

	H	T	O
	5	3	2
-	2	8	1

What exchange did you have to make?

2 Which of these calculations need an exchange?  
Tick your answers.

	H	T	O
	6	5	8
-	1	4	4

	H	T	O
	3	2	3
-	1	1	7

	H	T	O
	4	2	9
-	1	7	2

How do you know?

3 Work out the subtractions.

a)  $735 - 218$

	H	T	O
	7	3	5
-	2	1	8

c)  $415 - 179$

	H	T	O
	4	1	5
-	1	7	9

b)  $428 - 163$

	H	T	O
	4	2	8
-	1	6	3

d)  $382 - 194$

	H	T	O
	3	8	2
-	1	9	4

- 4 Talk about the mistake that has been made.

$$\begin{array}{r} 546 \\ - 283 \\ \hline 343 \end{array}$$

- 5 Complete the subtractions.

a)

	H	T	O
	7	0	0
-	5	4	6

b)

	H	T	O
	8	0	5
-	1	7	9

- 6 Work out the missing digits in these subtractions.

a)

	H	T	O
	7		5
-	3	4	
		7	3

b)

	H	T	O
		2	0
-	1		8
	2	9	

- 7 Two points are marked on a number line.



What is the difference between the two points?

- 8 Find the missing numbers.

a)  $179 + \square = 595$     c)  $95 + \square + 138 = 870$

b)  $718 - \square = 348$     d)  $\square - 446 = 503$

- 9 Here are 3 buildings.

- A is 150 m tall
- B is 317 m taller than A
- C is 223 m shorter than B



- 10 Aisha buys these items.



How much change does she have from £1,000?





Marlborough Primary  
Academy

Class  
3M

Home Learning  
Day 4

Date  
11/6/20

Daily activities - 5 a-day!

1) TTRockstars - 30 minutes

2) Morning maths

3) Independent Reading - 30 minutes

4) Spelling - 20 minutes

5) P.E. - Joe Wicks workout

## English

### Extended sentences

Extend the sentences to make them interesting for the reader. You can use adverbs and adjectives. Challenge- try writing an extended sentence with one of your new words.

## Maths

### Estimate answers

Watch the video, complete the activities and check your answers.

[Video](#)

[Worksheet](#)

[Answers](#)

## STEM/Creative

See the creative STEM activity sheet for today.

## Stem Creative Thursday

# Polishing Pennies

## Materials:

- ★ Lemon Juice
- ★ Dirty Pennies
- ★ A cup
- ★ Paper Towels
- ★ Taco Sauce (optional)



## Instructions:

1. Put a dirty penny in the cup and cover it with lemon juice.
2. Wait about five minutes then remove the penny and wipe it off with a paper towel.
3. Try the taco sauce to see which works better.

## How it Works:

Pennies are made out of a metal called copper. The copper mixes with oxygen, the same gas that we breathe. This causes something called oxidation and makes the penny look dirty. Lemon juice has acid in it that removes the dirty color or oxidation and makes the penny nice and shiny again!

## Extra Experiments:

- Does vinegar work?
- If you color the penny with marker does it come off?
- Does it work with nickels, dimes or quarters?



Extend these simple three word sentences by adding adverbs, adjectives and further information to make them more interesting. The first one has been done for you.

1. An owl hooted.

*An elegant, snow-white owl hooted loudly from high up in the trees.*

2. A boy shouted.

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3. The witch laughed.

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4. My uncle sneezed.

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5. The teacher talked.

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6. A dog barked.

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## Estimate answers to calculations



- 1** There are 195 people on a train.  
There are 308 people on a plane.

a) Complete the sentences to estimate the total number of people.

195 is close to  308 is close to

My estimate for the number of people in total is

+  =

b) Work out the total number of people on the train and plane.

Was it a good estimate? How do you know?



- 2** Estimate the answer to  $395 + 49$

395 is close to  49 is close to

My estimate is

Work out the exact answer.

How close was your estimate? Talk to a partner.



- 3** For each question work out an estimate and the exact answer.

Question	Estimate	Exact answer
$705 - 194$		
$511 - 97$		
$187 + 203 + 19$		

- 4** Why is it a good idea to estimate the answer to a calculation?  
Write one reason.

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- 5 Amir is working out  $195 + 412$

		H	T	O	
		1	9	5	
+		4	1	2	
	5	1	0	7	

Use an estimate to show how you know Amir is wrong.

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- 6 Mr Jones cycles some kilometres each day.

The table shows the distance he cycles.

Monday	Tuesday	Wednesday	Thursday
189 km	88 km	215 km	53 km

Mr Jones planned to cycle 500 km in total by the end of Thursday.

- a) Has Mr Jones cycled as many kilometres as he planned?  
Give an estimate.

- b) How far has Mr Jones cycled in total?

- 7 A bottle is full of 813 ml of orange juice.

A glass has a capacity of 495 ml.

Can you pour two full glasses of juice? Give an estimate.

Explain your answer.

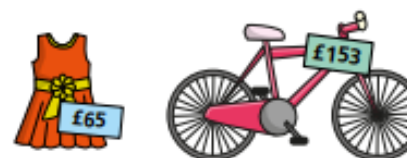



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- 8 Whitney is estimating if she has saved enough money to buy a new dress and a new bike.



Whitney has so far saved £220

I have not saved enough.  
£65 is close to £100 and £153 is close to £200. That means I need about £300

Is Whitney correct? \_\_\_\_\_

Explain your answer.

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Marlborough Primary  
Academy

Class  
3M

Home Learning  
Day 5

Date  
12/6/20

Daily activities - 5 a-day!

1) TTRockstars - 30 minutes

2) Morning maths

3) Independent Reading - 30 minutes

4) Spelling - 20 minutes

5) P.E. - Joe Wicks workout

English

Big Write

Look at the picture and write a story about it in your English book. Where could the bubble take her? Can you write extended sentences like yesterday?

Maths

Friday challenges!

How many challenges can you complete?  
Remember each one gets more difficult.

Challenges

Answers

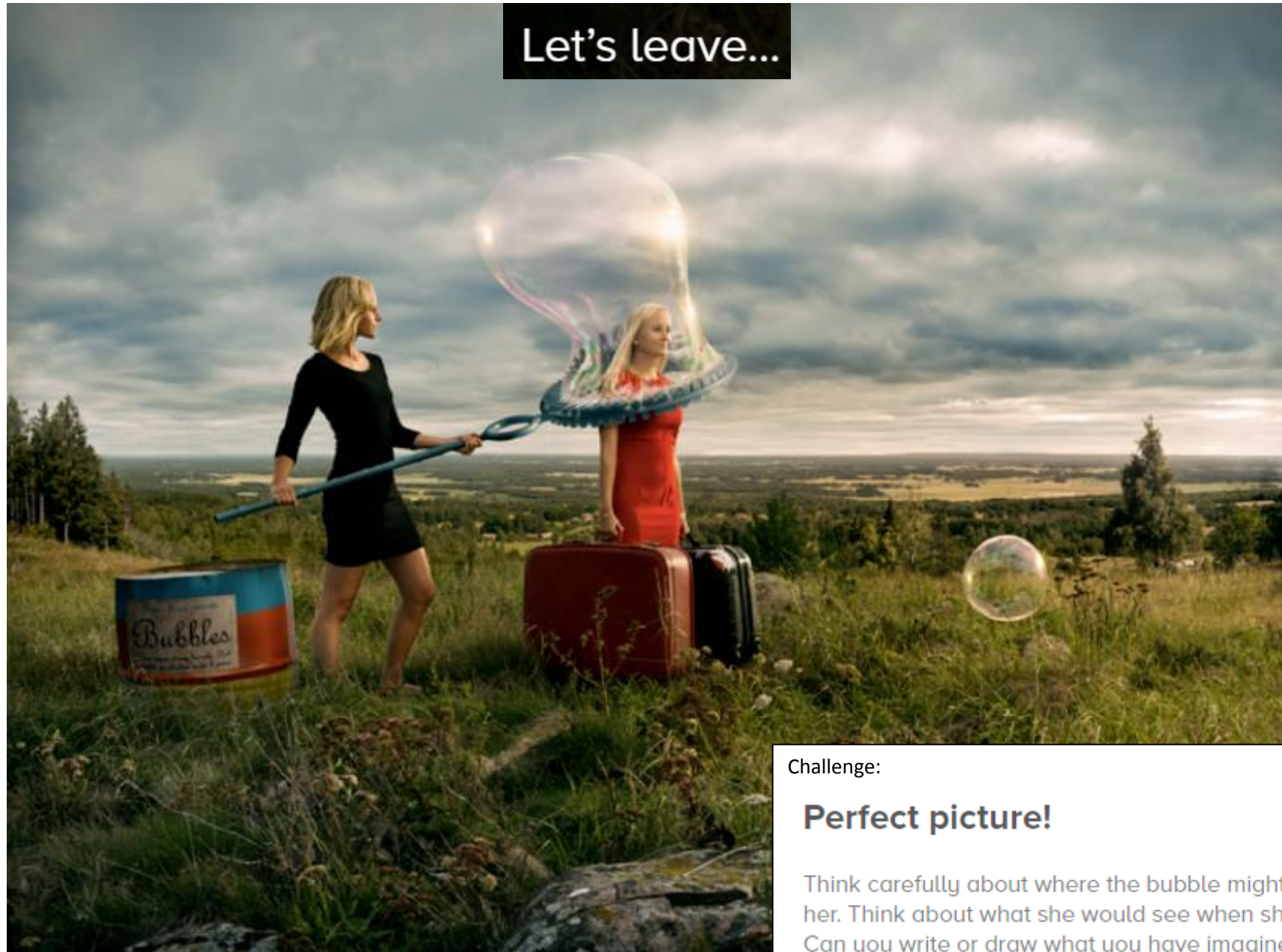
STEM/Creative

See the creative STEM activity sheet for today.

I wonder who can find the most?



Let's leave...



Challenge:

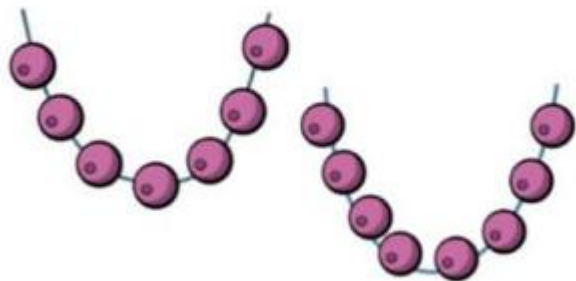
## Perfect picture!

Think carefully about where the bubble might be taking her. Think about what she would see when she gets there. Can you write or draw what you have imagined?

## Challenge 1

Sal has 20 beads.

She uses some beads to make these two necklaces.



How many beads does she have left?

## Challenge 4

Max buys a shirt and a jacket.



The jacket costs £25 more than the shirt.

The total cost of the shirt and jacket is £87.

How much does each item cost?

## Challenge 2

George is thinking of a 2 digit number.



My number is in the 5 times table.



My number is less than 80



The sum of the digits is 9

## Challenge 5

The mass of 1 cube and 4 cones is 110 g.



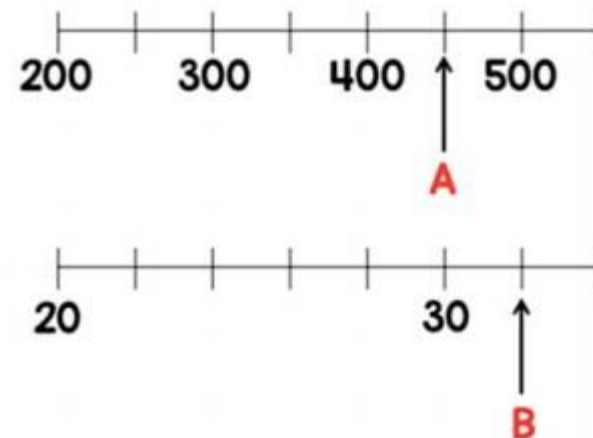
The mass of 1 cube and 2 cones is 72 g.



What is the mass of 1 cube?

## Challenge 3

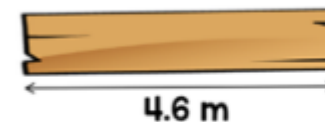
Two numbers, A and B, are marked on the number lines.



Find the sum of A and B.

## Challenge 6

A plank of wood is 4.6 metres long.



These three lengths of wood are cut from the plank.

1.45 m

88 cm

1630 mm

What is the length of the wood left?