Home Learning Year 6

Second Isolation – Week 2 of the 2

Monday

English

LI: To answer use my inference and deduction skills

Elon Musk Comprehension

Activity 1: Watch https://www.youtube.com/watch?v=-BDSnB_94Jw

Activity 2: Read through the Elon Musk comprehension and answer questions 10

Can you find anything else about Elon Musk? What do you think about his inventions and achievements?

Maths

LI: To multiply decimals by a 1-digit number

Starter: Starter: Practise your 3 and 11 x tables. Can you find the inverse e.g. 33÷11 = 3?
List these on a piece of paper

Main activity: Complete the Mathsframe worksheet below

MATHSFRAME.CO.UK

Geography

LI: To understand about volcanoes and their risks

Visit: https://www.bbc.co.uk/bitesize/articles/z62xwnb

Main activity: Watch the clips and complete the quiz.

Activity 2: Research a volcano of your choice and create an information page about the volcano. Remember to include interesting facts!

Tuesday

English

LI: To understand what authors do and explore reading for enjoyment.

Enjoying what you read

Visit: https://www.bbc.co.uk/bitesize/articles/z2yrydm

Main activity: Watch the 2 video clips and complete the 3 activities on the website.

Extension:
Have a go at writing your own book review using the template below.

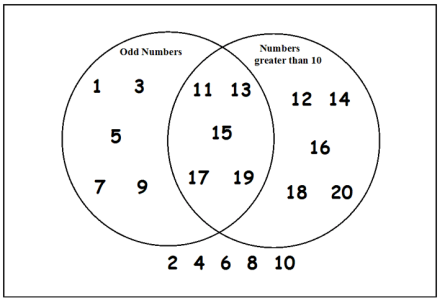
Maths

LI: To be able to classify information using Carroll and Venn diagrams

Starter: Find and list the factors of 24 and 36

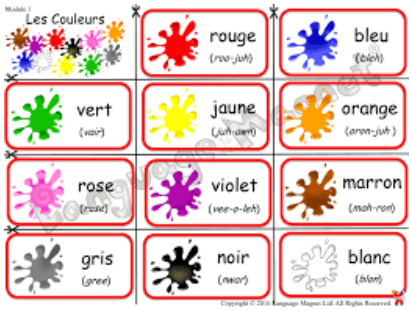
Main activity: Complete the Mathsframe worksheet below.

MATHSFRAME.CO.UK



French

LI: To understand French colours.



Main activity: Using the above chart, colour in Elmer using the colour

Wednesday

English

LI: To write a winter acrostic poem

Main activity: Have a go at planning and writing your own winter acrostic poem. Start each line of the poem with a letter from the word Winter. If it is closer to Christmas, then use the word Christmas instead.

Don't forget to decorate your work afterwards.

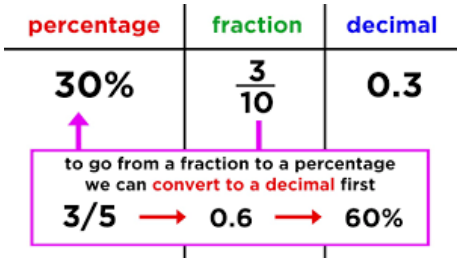
Maths

LI: To convert a fraction into a percentage

Visit:
https://www.bbc.co.uk/bitesize/articles/zvcny9q

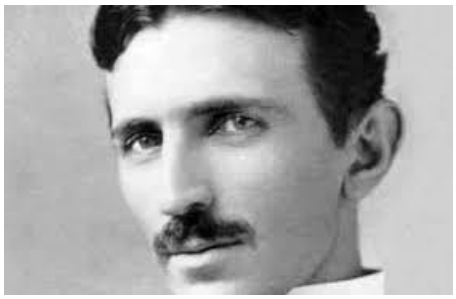
Activity 1: Watch the two clips and complete the interactive game and quiz.

Activity 2: Complete the worksheet below.



Science / ICT

Research the Life and work of Nikola Tesla



Main activity: Create a fact file page about his life, work, family and achievements.

Thursday

English

LI: To be able to use fronted adverbials

A note for parents: A fronted adverbial is a word, phrase or clause that is placed at the start of a sentence. They are used to explain **how (manner)**, **when (time)** or **where (place)** something happens. A fronted adverbial is separated from the main clause with a comma. For example:

Early one morning, Rohan went for a run in the park.

Main activity: Complete the worksheet below, re-writing the sentences and inserting the comma after the fronted adverbial.

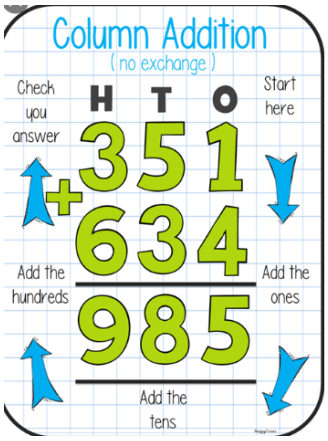
Maths

LI: To add with 4 or more digits

Visit:
https://www.bbc.co.uk/bitesize/articles/zwxbsk7

Starter: Complete the maths quiz on the above website

Main activity: Watch the video and the two slideshows and complete the activity sheet below.



PSHCE:

LI: To appreciate my own qualities as a person and to compliment others on theirs.

Main activity: Think about your own strengths as a person and ask members of your family what they think. Complete the sheet below. Think of a quality that each person in your family has and give them a compliment.

Friday

English

LI: To be able to use personal and object pronouns.

Main activity: Complete the worksheet below, inserting the correct pronoun into each sentence.

Pronouns

	Subject Pronouns	Object Pronouns	Possessive Adjectives	Possessive Pronouns	Reflexive Pronouns
1st person singular	I	Me	My	Mine	Myself
2nd person singular	You	You	Your	Yours	Yourself
3rd person singular (male)	He	Him	His	His	Himself
3rd person singular (female)	She	Her	Her	Hers	Herself
3rd person	It	It	Its	Its	Itself
1st person (plural)	We	Us	Our	Ours	Ourselves
2nd person (plural)	You	You	Your	Yours	Yourselves
3rd person (plural)	They	Them	Their	Theirs	Themselves

www.englishgrammarhere.com

Extension: Write some of your own sentence using the pronouns in the table above.

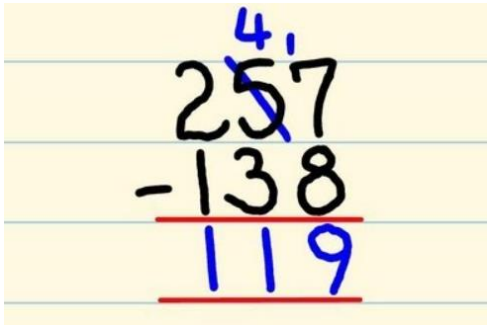
Maths

LI: To subtract with 4 or more digits

Visit:
https://www.bbc.co.uk/bitesize/articles/zqhkg7h

Starter: Complete the catch-up quiz

Main activity: Watch the video, two slideshows and complete the activity sheet below.



Art

LI: To design and make a Christmas card

Main activity: Design and create your own Christmas card for a friend or family member.

You may use the template below to help you.

Other activities for the week

Use the following link to practise your times tables https://ttrockstars.com/

- Read your school book 3-5 times and have this signed in to your home reading record.
- Complete the PE isolation activities on the school website.

Monday resources

Elon Musk

Elon Musk was born on the 28th June 1971 in Pretoria, South Africa. After he finished high school at Pretoria Boys High, he went to study overseas in Canada and the USA. He studied Science and Economics.

From a young age, he was already a great businessman. By the time he was 28 years old, he had already sold his first successful company Zip2 for millions of dollars! He started and sold two more companies, X.com and PayPal, both of which he sold for billions of dollars. His next two big ventures were SpaceX and Tesla.

Elon wanted to successfully prove that electric cars and renewable energy for houses was even better than traditional engines and electricity from a power station. So the team at Tesla did just that. They have developed a solar roof which can provide the whole house with power as well as some of the world's best electric cars, which are not only kind to the environment but also have some amazing technology that improves the car's safety.

Tesla's Model S car includes an autopilot that allows the car to steer, accelerate and brake automatically. It can safely follow road markings and use its forward-facing radar to make syre there is a safe distance between its self and other cars. The Model S also monitors traffic using its sensors so that it will only change lanes when it is safe to do so.

SpaceX

SpaceX was also started by Elon Musk in 2002. He wanted to reduce the cost of space travel so that people could one day travel to and live on Mars.

SpaceX have made and launched advanced rockets and spacecraft. They have delivered satellites into space and sent supplies to the International Space Station.

On the 30th May 2020, NASA and SpaceX launched two astronauts, Robert Behnken and Doug Hurley in the Dragon Crew Capsule attached to a Falcon 9 rocket built by SpaceX.

It was the first time that American Astronauts had been launched into space from the USA since 2011 and the first time a private company has sent humans into space using its own rocket.

The two astronauts met up with the ISS (international Space Station) where they will stay for 110 days to complete a range of experiments before returning to Earth in their Dragon capsule.

SpaceX have also designed and launched the Falcon Heavy Rocket. It is the most powerful space rocket in the world and parts of it are reusable! This reusable technology is a big part of SpaceX's mission to get to Mars. Space travel is extremely expensive, so reusable machinery is a great benefit.

Questions

1. Name five of the business' that Elon Musk has had.

2. In paragraph two Elon is described as a great businessman.

   Give one reason why this is a good title for him

3. Why did Elon start Tesla?

4. How did Elon get the money to start Tesla and SpaceX?

5. Which two items did Tesla build?

6. What does the autopilot function on the Model S car?

7. Which two companies worked together on the project to send astronauts to the ISS in May 2020?

8. Give one reason why this space flight to the ISS was unique?

9. What do the astronauts spend their time in space doing?

10. The Space Shuttle program was ended in 2011. Why are the SpaceX rockets better for keeping space travel going into the future?

MATHSFRAME.CO.UK

Multiply one-digit numbers with up to two decimal places by whole numbers.

1 1.8 x 6 =

2 3.5 x 3 =

3 2.8 x 12 =

4 6.24 x 3 =

5 8.04 x 6 =

6 3.78 x 5 =

7 Pot plants cost £2.65 each. Mrs Jones buys 6 plants. She pays with a £20 note.

How much change does she get?

8

Three identical bricks have the same mass as two concrete blocks.

Each brick has a mass of 1.72 kg. What is the mass of one concrete block?

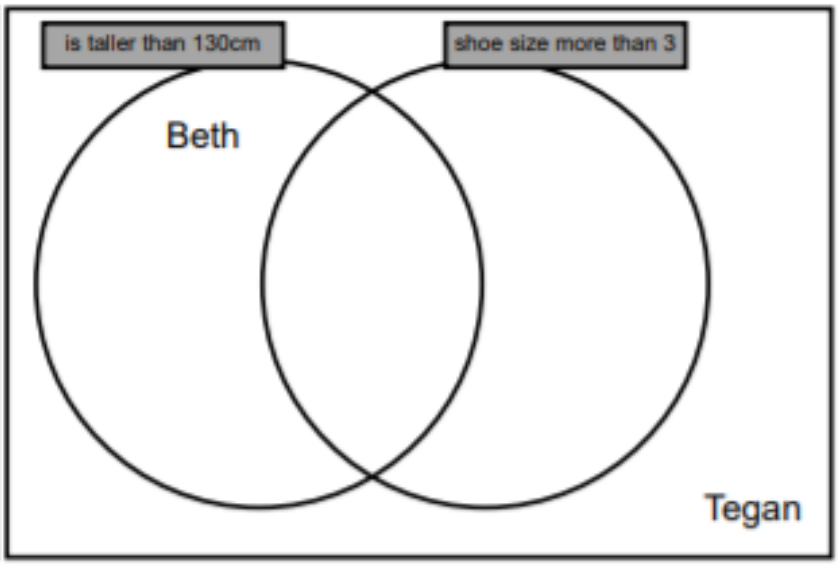
v1 created 13/2/17

Tuesday resources

MATHSFRAME.CO.UK

To use Carroll and Venn diagrams to sort data with more than one criterion. (worksheet 1)

Name	Height (cm)	Shoe size
Tegan	127	3
Beth	132	3
Sophia	128	5
Zach	142	5
Eve	124	2
Marcus	132	4
Monty	129	5
Skye	131	3



The table shows the height and shoe size of some children.

Use this information to sort the children on the Venn diagram.

The first two have bee done for you.

Name	Has a brother	Has a sister
Adam	yes	no
Evie	no	yes
Felix	yes	yes
Nick	yes	no
Rory	yes	yes
Abigail	no	no

	Has a brother	Does **not** have a brother
Has a sister		
Does **not** have a sister		

The table shows if children have a brother or sister.

Use this information to sort the children on the Carroll diagram.

1. How many children have a brother but no sister?
2. How many children have a sister but no brother?
3. How many children have a brother?
4. How many children have a sister?

Book Review

Book Title: _____

Author: _____

Fiction or Non-fiction: _____

What is the book about?

Book Illustration

Who would you recommend the book to? Why?

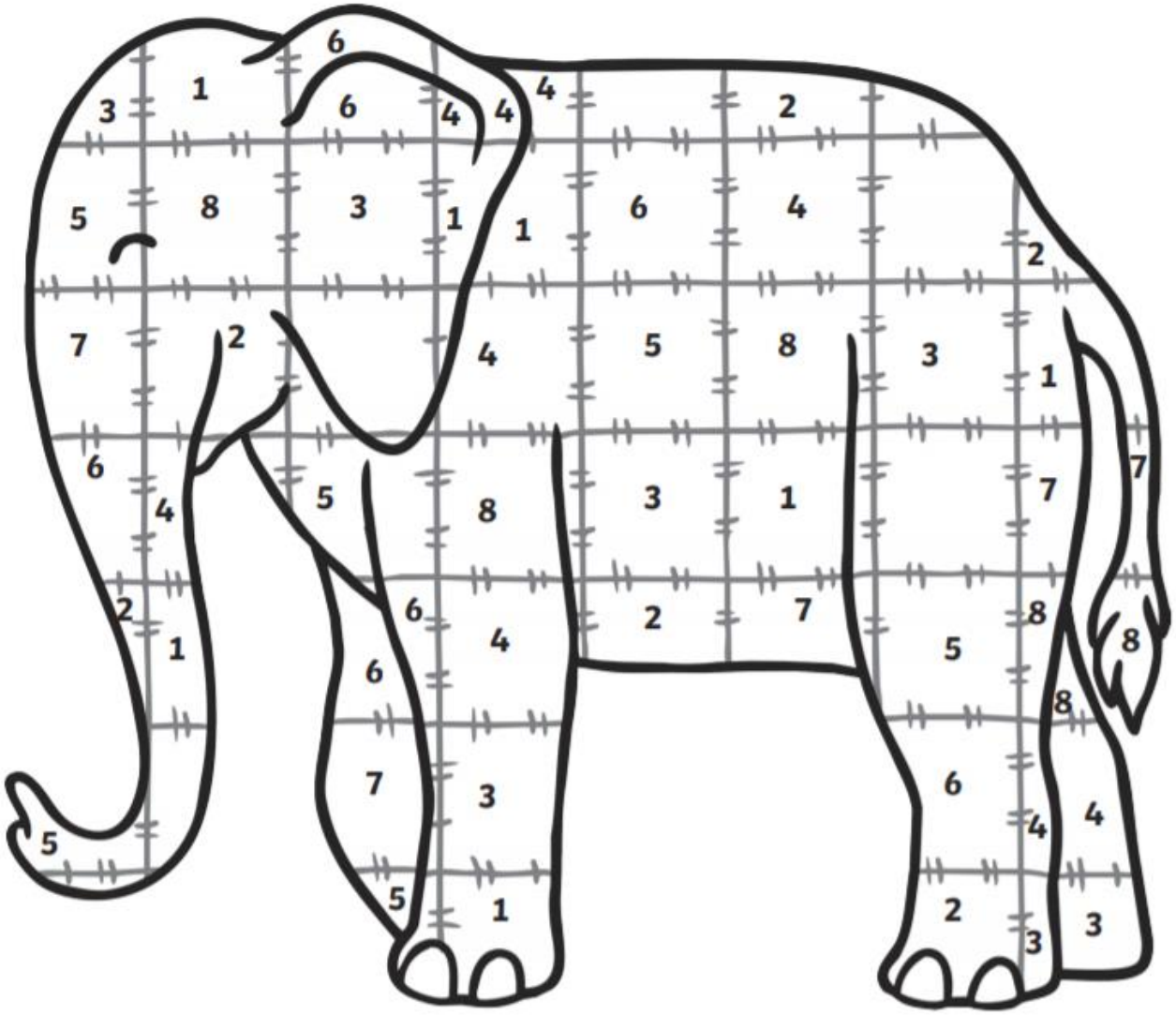
Rating: ☆ ☆ ☆ ☆ ☆

Can you write three facts you have learnt or three things you have learnt about one of the characters?

1. _____
2. _____
3. _____

1 = rouge **2** = orange **3** = jaune **4** = vert

5 = bleu **6** = violet **7** = rose **8** = noir



Wednesday resources

A. Change the following fractions to percentages.

Example 1 Multiplication

$$\frac{42}{120} = \frac{42}{120} \times 100\% = \underline{35\%}$$

Example 2 Equivalent fractions

$$\frac{42}{120} = \frac{7}{20} \rightarrow \frac{7}{20} = \frac{35}{100} \qquad \frac{42}{120} = \frac{35}{100} = \underline{35\%}$$

1).	$\frac{14}{25}$	2).	$\frac{19}{20}$	3).	$\frac{140}{200}$	4).	$\frac{465}{500}$	5).	$\frac{243}{300}$
6).	$\frac{135}{250}$	7).	$\frac{48}{160}$	8).	$\frac{112}{175}$	9).	$\frac{96}{150}$	10).	$\frac{42}{120}$
11).	$\frac{3}{8}$	12).	$\frac{9}{16}$	13).	$\frac{221}{250}$	14).	$\frac{21}{240}$	15).	$\frac{51}{160}$

B. Answer the following questions.

1). Piet has 50 apples to sell. At the end of the day he has sold 43 apples.
   a). What percentage of apples has Piet sold?
   b). What percentage of apples remain unsold?

2). Alex paints a wall that is 25 m^2. She paints 13 m^2 on Monday and the rest on Tuesday.
   a). What percentage of the wall does she paint on Monday?
   b). What percentage of the wall does she paint on Tuesday?

3). Ruby has 900 g of sugar. She uses 720 g of the sugar to make a cake.
   a). What percentage of the sugar does she use?
   b). What percentage of the sugar remains unused?

4). A large bakery has 400 kg of flour and uses 220 kg to make bread.
   a). What percentage of the flour does the bakery use?
   b). What percentage of the flour does the bakery have left?

5). 1800 people watch a football match. 1125 are adults, the rest are children.
   a). What percentage of the crowd are adults?
   b). What percentage of the crowd are children?

6). Victor has 240 marbles. 45 of the marbles are blue.
   a). What percentage of the marbles are blue?
   b). What percentage of the marbles are **not** blue?

7). In a school there are 1200 pupils. 525 of the pupils walk to school.
   a). What percentage of pupils walk to school?
   b). What percentage of pupils don't walk to school?

8). On an aeroplane there are 320 seats. 116 are first class seats.
   a). What percentage of the seats on the aeroplane are first class seats?
   b). What percentage of the seats on the aeroplane are not first class seats?

Thursday resources

Spot the Missing Comma

Placing Commas After Fronted Adverbials

Oh dear! Somebody has written these fantastic sentences but has forgotten to add a comma after the fronted adverbial. Find where the comma should go in each sentence and, using a coloured pen or pencil, add the comma to each one.

1. As the sun was setting an owl began to stir from its sleep.
2. With a mighty roar the lion leapt onto a rock and scared all the visitors at the zoo.
3. In a dark cave there lived a ferocious dragon.
4. In the summer of 2012 the London Olympic Games took place.
5. After a tiring night Mum finally got some sleep.
6. Nervously and anxiously Perseus entered the Gorgon's lair.
7. By the lamppost Lucy stood waiting for the faun to appear.
8. Into her cauldron the witch threw many horrid ingredients.
9. After the football match Rhianna went to the fish and chip shop with her dad.
10. With a huge smile on his face Peter received the gold medal for diving.

Addition

Learn and revise

Use any facts you know to help learn others.

8 + 6 = 14

You can use this to work out these and other facts:

18 + 16 = 34	80 + 60 = 140
1800 + 1600 = 3400	800 + 600 = 1400
4080 + 3060 = 7140	5008 + 1006 = 6014

Practice activities

1. Use the first answer to help with the others in each set.

a) 7 + 6 = _____

70 + 60 = _____ 700 + 600 = _____

1007 + 3006 = _____ 2070 + 4060 = _____

b) 9 + 5 = _____

90 + 50 = _____ 900 + 500 = _____

49 + 25 = _____ 1090 + 6050 = _____

c) 3 + 8 = _____

30 + 80 = _____ 300 + 800 = _____

6300 + 2800 = _____ 4030 + 3080 = _____

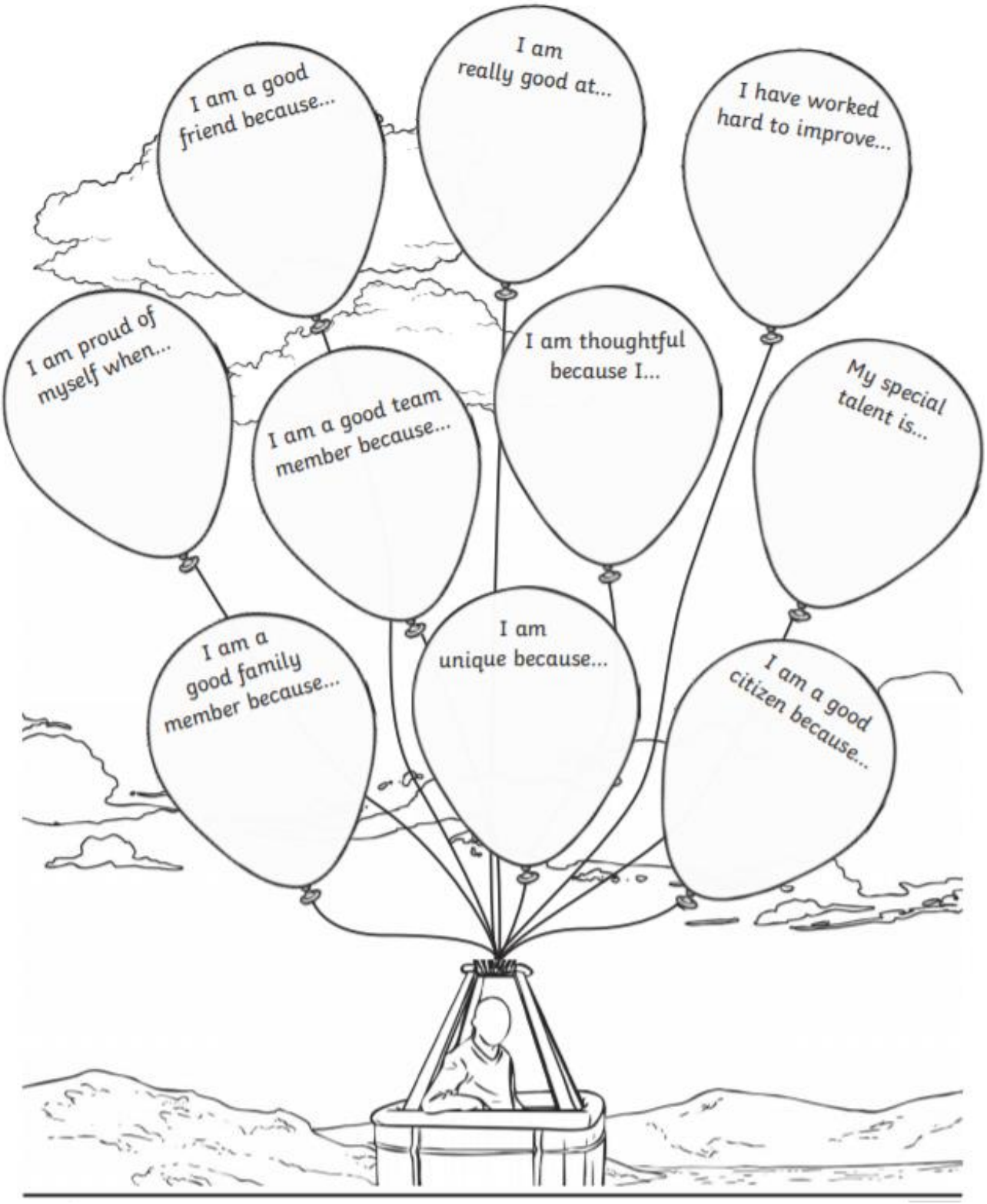
d) 8 + 7 = _____

80 + 70 = _____ 800 + 700 = _____

58 + 37 = _____ 3080 + 2070 = _____

I Am an Amazing Person!

Read and finish the sentences in the balloons below.



Friday resources:

Using Personal Pronouns

Subject pronouns	I	you	he	she	we	they	it
Object pronouns	me	you	him	her	us	them	it

1. _____ are not coming to our party anymore.
2. Would _____ like some cheesecake for dessert?
3. I love my sister. _____ 's really kind to _____.
4. _____ need to put _____ back on the shelf.
5. _____ love going on holiday to Spain.
6. I'm going shopping, do _____ want to come with _____?
7. Jack saw _____ in the park. _____ were on the swings.
8. _____ 's broken. Can you take a look at _____?
9. _____ were happy that our train had finally arrived.
10. That's _____ over there! _____ did it!
11. I love that sofa! _____'s not too expensive for us, is _____?
12. I showed _____ a photograph. _____ was suspicious.
13. _____ is a brilliant dancer. We're proud of _____.
14. Are _____ going to finish that painting?
15. I went to see my Aunt in hospital. _____'s recovering well.

Merry Christmas

1) Use place value counters or the column method to calculate:

a) 5142 – 4085

b) 9756 – 5873

c) 8291 – 6534

d) 7352 – 4867

e) 5063 – 3258

2) Which symbol should go in each box: > or < or =?

a) 2371 – 1938 = _____ ☐ 1287 – 1038 = _____

b) 5738 – 3474 = _____ ☐ 6246 – 3982 = _____

c) 6084 – 2969 = _____ ☐ 7114 – 3998 = _____

3) Agent 00R9 breaks 4573 secret codes each week.
744 are in German. 453 are in French. The rest are in English.

How many English codes are broken each week?