



Cormorant Week 14: Learning Project – Heroes and Villains

Age Range: Y3/4

Weekly English/Topic Tasks

Monday- Today, I would like you to think about a hero or villain in your life. Is it a pet, a friend or a member of your family? Draw a picture of this person and write a paragraph about your choice. What is it that makes them a hero or a villain? Do they make a mess in your house? Do they help you read your book every day? There might be many reasons for your choice.

Tuesday- Today, I would like you to study comic books. Look at the structure and storyline of a chosen comic. Once you have outlined the features (<https://www.viki.si/2015/04/06/comic-characteristic/>), I would like you to turn a favourite story of yours into a comic. I would like you to condense the story into 6 parts. For example, I would choose Harry Potter and The Philosopher's Stone.

1. Harry makes friends with Ron and Hermione.
2. They are sorted into their houses.
3. Harry learns about the Philosopher's Stone.
4. Harry thinks Snape is going to use it for evil.
5. Harry, Ron and Hermione win the game of Wizard's Chess.
6. Harry battles Professor Quirrell and Voldemort and becomes the hero.

You can see that I have left out so much information from the story but this is what we need to do in order to condense the story into 6 parts.

Wednesday- Yesterday you condensed a favourite story of yours into 6 parts. Now I would like you to use the comic book strip attached to draw out the story. Make sure you include speech in speech bubbles. If you are not sure how to do this, have a look at another comic book. The comic strip document will be uploaded separately as a word document so you can complete it online. You can also print it out so you can do your drawings if you want to.

Thursday- Today it is time to find out about local heroes in your area. I would like you to research a local hero or group of heroes. Here is one example for you <https://everydayheroes.sja.org.uk/> St John's Ambulance. You could research Firefighters, The Police, The RNLI, The Coastguard, Air Ambulance or NHS staff.

Friday- Complete the comprehension paper attached. Remember to answer your questions in full sentences or else they will not be correct.

Weekly Maths Tasks- Yr3
Answers below

Monday-



Summer 4 Monday

Place Value

Write 938 in words.



Reveal answer

+ and -

$$456 + 40 =$$

Reveal answer

$$567 - 200 =$$

Reveal answer

× and ÷

$$40 \times 3 =$$

Reveal answer

$$28 \div 4 =$$

Reveal answer

Problem Solving

Alison leaves the beach at 5:45p.m.
The walk to the bus stop takes her
25 minutes.

What time does she arrive?

6:10 p.m.

Reveal answer



Reasoning

I have sorted these
fractions into order from
greatest to smallest.

$$\frac{1}{5} \quad \frac{1}{4} \quad \frac{1}{3} \quad \frac{1}{2}$$

Is Henry correct?

Explain why.



Weekly Maths Tasks- Yr4
Answers below

Monday-



Summer 4 Monday

+ and -

$$5640 + 200 =$$

Reveal answer

$$7000 - 101 =$$

Reveal answer

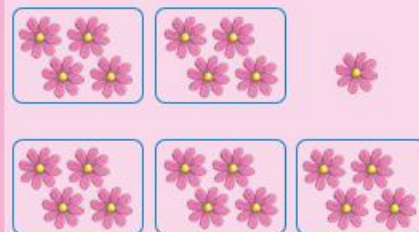
× and ÷

$$6 \times 8 \times 9 =$$

Reveal answer

$$21 \div 4 = 5 \text{ remainder } 1$$

Reveal answer



Place Value

Reveal answer

Write seven thousand
and fifteen in numerals.



Problem Solving

Reveal answer

Saniya has 4 coins in her purse, with a
value of £1.72. What value are each of
the 4 coins?

£1, 50p, 20p, 2p



Reasoning

3 and 5 are the
only factor
pairs of 15.

Is Jamil correct?

Explain your reasoning.



Tuesday-

2-D Shapes

Notes and Guidance

Children recognise, describe and draw 2-D shapes accurately. They use properties including types of angles, lines, symmetry and lengths of sides to describe the shape. They could be given opportunities to identify/draw a hidden shape from a description given and also describe a shape for a friend to identify/draw.

Mathematical Talk

How many angles does a _____ have?
 What types of angles does a _____ have?
 How many lines of symmetry does a _____ have?
 What kind of lines of symmetry does a _____ have?
 (vertical/horizontal)
 What types of lines can you spot in a _____?
 (perpendicular/parallel)
 Can you guess the shape from the description given?
 Can you draw a shape from the description given?

Varied Fluency

Describe this quadrilateral.



It has ____ angles.
 It has ____ right angles.
 It has ____ obtuse angle.
 It has ____ acute angle.
 It has ____ lines of symmetry.

Choose one of these 2-D shapes and describe it to a friend thinking about the angles, types of lines it is made up of and whether it has any lines of symmetry. Can your friend identify the shape from your description?



Draw the following shapes.

- A square with sides measuring 2 cm
- A square that is larger than the one you have just drawn
- A rectangle with sides measuring 4 cm and 6 cm
- A triangle with two sides of equal length

Tuesday-

Symmetric Figures

Notes and Guidance

Children use their knowledge of symmetry to complete 2-D shapes and patterns.

Children could use squared paper, mirrors or tracing paper to help them accurately complete figures.

Mathematical Talk

What will the rest of the shape look like?

How can you check?

How can you use the squares to help you?

Does each side need to be the same or different?

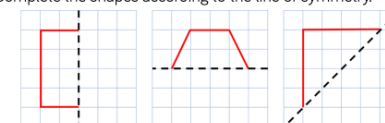
Which lines need to be extended?

Varied Fluency

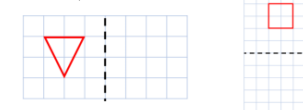
Colour the squares to make the patterns symmetrical.



Complete the shapes according to the line of symmetry.



Reflect the shapes in the mirror line.



Rosie describes a 2-D shape.



My shape has 2 pairs of parallel sides. The lengths of the sides are not all equal.

Draw the shape that Rosie is describing.

Could this square be Rosie's shape?



Explain why.

What is the same and what is different about these shapes?



Draw at least one shape in each section of the diagram.

	At least one right angle	No right angles
4 sided		
Not 4 sided		



Dora

When given half of a symmetrical shape I know the original shape will have double the amount of sides.

Do you agree with Dora?
Convince me.

How many different symmetrical shapes can you create using the given sides?



Wednesday-



Summer 4 Wednesday

Place Value

Use the correct symbol to compare these numbers:

854  584

Reveal answer

+ and -

$$448 + 9 =$$

Reveal answer

$$751 - 4 =$$

Reveal answer

× and ÷

$$9 \times 3 =$$

Reveal answer

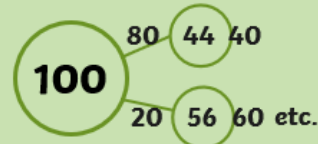
$$44 \div 4 =$$

Reveal answer

Problem Solving

Reveal answer

Find two different ways to complete this part-whole model using only numbers which are multiples of 4.



Reasoning

$\frac{1}{4}$ is the same as $\frac{5}{20}$.

Is Henry correct?

Explain why.



Wednesday-



Summer 4 Wednesday

+ and -

$$73 + 127 =$$

Reveal answer

$$900 - 340 =$$

Reveal answer

× and ÷

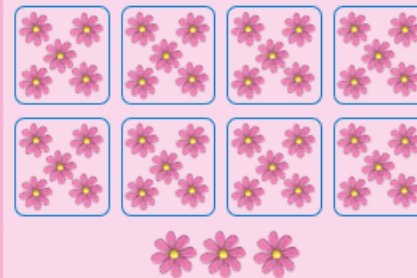
$$5 \times 6 \times 4 =$$

Reveal answer

$$43 \div 5 =$$

8 remainder 3

Reveal answer



Place Value

Reveal answer

Use the symbol < or > to compare these decimals:

45.82 > 45.28

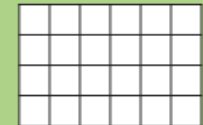
Problem Solving

Reveal answer

Write 4 multiplication and division calculations represented by this rectangle.

$$4 \times 6 = 24, 6 \times 4 = 24$$

$$24 \div 4 = 6, 24 \div 6 = 4$$



Reasoning

All triangles have at least one line of symmetry.

Is Jamil correct?

Explain your reasoning.



Thursday-

3-D Shapes

Notes and Guidance

Children recognise and describe 3-D shapes in different orientations. They use properties including the number of faces, edges and vertices to describe the shape. Where a shape has a curved surface, children should know that this is not called a face. e.g. a cylinder has 2 circular faces and a curved surface. Teachers should explore the difference between a prism, which has the same shape all the way through, and a pyramid, which tapers to a point.

Mathematical Talk

How many faces/edges/vertices/curved surfaces does a _____ have?

What shape are the faces of a _____?

What types of lines can you see on a _____?

Can you spot objects around the classroom that are cubes/cuboids etc.?

Can you guess the shape from the description given?

Varied Fluency

Describe this 3-D shape.

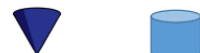


This shape is a _____.
It has ____ faces.
It has ____ edges.
It has ____ vertices.

Choose one of these 3-D shapes and describe it to a friend thinking about the number and shape of faces it has and the number of edges and vertices. Can your friend identify the shape from your description?



What is the same and what is different about these two shapes?



Choose two other shapes and say what is the same and what is different about them.

Thursday-



Summer 4 Thursday

+ and -

$$\begin{array}{r} 2025 \\ - 1797 \\ \hline \end{array}$$

Reveal answer

× and ÷

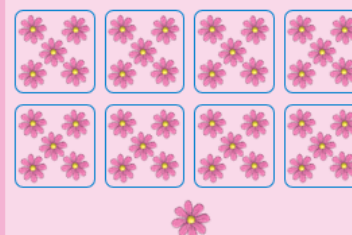
$$2 \times 4 \times 7 =$$

Reveal answer

$$41 \div 5 =$$

8 remainder 1

Reveal answer



Place Value

Reveal answer

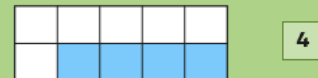
What numbers are hidden on the number line?



Problem Solving

Reveal answer

How many parts of this shape need to be coloured in to show $\frac{2}{5}$?



4

Reasoning

In half an hour, it will be 4 o'clock.



Is Saniya correct?

Explain your reasoning.



Mo has a 3-D shape, he says,



One face of my 3-D shape is a square.

What could Mo's shape be?

Alex says,



All 3-D shapes are prisms.

Do you agree with Alex?
Explain why.

Sort a selection of 3-D shapes using the criteria in the table.

	At least one triangular face	No triangular faces
Prism		
Not a prism		

Change the headings of the table and re-sort your shapes.

Friday-



Place Value

Reveal answer

What are the next three numbers in this sequence?



+ and -

$$342 + 36 =$$

Reveal answer

$$673 - 52 =$$

Reveal answer

× and ÷

$$120 \times 3 =$$

Reveal answer

$$36 \div 4 =$$

Reveal answer

Problem Solving

What fraction of the flags were blue?

Blue	6
Red	7
Green	5

$$\frac{6}{18} \text{ or } \frac{1}{3}$$

Reveal answer

Reasoning

I have eaten $\frac{1}{4}$ of my sweets and Alison has eaten $\frac{2}{5}$ of hers. I have eaten more.

Is Henry correct?

Explain why.



Summer 4 Friday

Friday-



+ and -

$$2180 + 900 =$$

Reveal answer

$$6380 - 2000 =$$

Reveal answer

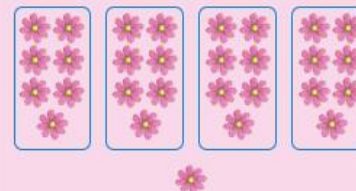
× and ÷

$$4 \times 5 \times 5 =$$

Reveal answer

$$29 \div 7 = 4 \text{ remainder } 1$$

Reveal answer



Place Value

Summer 4 Friday

Reveal answer

What are the next three numbers in this sequence?



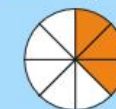
Problem Solving

Reveal answer

How many acute and obtuse angles are there in this triangle?



Reasoning



I need to colour in three more parts to show $\frac{3}{4}$.

Is Jamil correct?

Explain your reasoning.



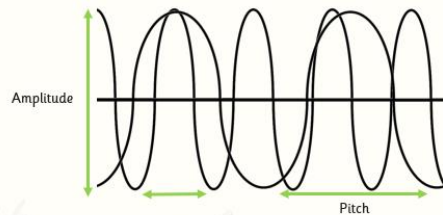
Science Weekly project

Different Sounds

High and low are words to describe the pitch of a sound.

The pitch of a sound is different to the amplitude.

Amplitude is a measure of how loud or quiet a sound is, and pitch is a measure of how high or low a sound is. High sounds can be quiet or loud, and low sounds can be quiet or loud too!



Please watch this clip to see if you can hear how different musical instruments make different sounds.

<https://www.bbc.co.uk/bitesize/clips/zsqw2hv>

Please watch this video to see how the pitch of a sound can be changed. -

+<https://www.bbc.co.uk/bitesize/clips/zsqw2hv>

Changing Pitch

On a string instrument, there are several ways to change the pitch.

The tighter, thinner or shorter the string is, the higher pitched the sound will be and the looser, thicker or longer the string is, the lower the sound will be.

Faster vibrations will make a sound higher, and slower vibrations will make a sound lower.

The ways of changing the strings all change the vibrations, which in turn change the pitch of the sound.



Changing Pitch

On a wind instrument, the column of air inside the instrument is what vibrates to cause the sound.

Shortening the column of air will create a higher sound, and lengthening the column of air will create a lower sound.

This can be done with a sliding mechanism, such as in a trombone.

The length of the column of air can be changed by opening or closing holes in the side of the tube, such as in a recorder.



Changing Pitch

In a percussion instrument, the surface or object that is struck is the thing that vibrates to create the sound.

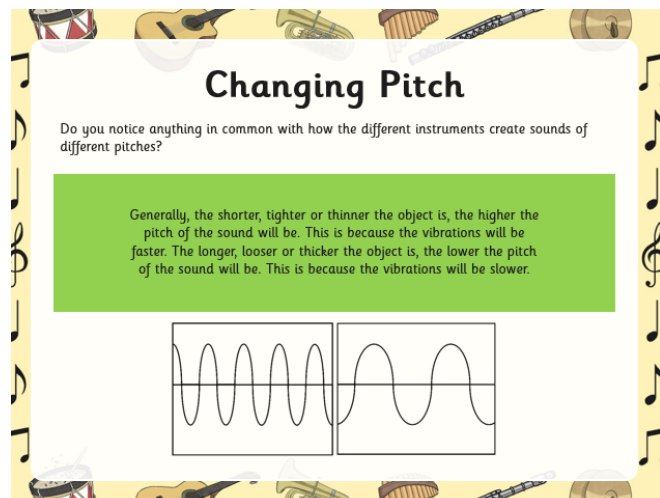
The pitch of a percussion instrument can be changed in different ways.

There may be a series of different length bars or keys, such as in a xylophone. The shorter the bar or key, the higher the pitch will be.

There may be different instruments of different sizes. For example, when playing hand bells the musician will have a set of bells to play. The smaller the bell, the higher the pitch. The larger the bell, the lower the pitch.

In a drum, the tighter the skin, the higher the pitch will be.

A thinner skin will make a higher pitched sound and a thicker skin will make a lower pitched sound.



Additional learning resources parents may wish to engage with

- [CODE Maths Hub Daily Fluency Activities](#) -
- <https://www.topmarks.co.uk/maths-games/daily10> - arithmetic challenges
- [BBC Bitesize](#) - Lots of videos and learning opportunities for all subjects.
- <https://www.thenational.academy/> A large selection of video lessons and learning resources. These cover a range of subjects including maths, English, art and languages.
- [Classroom Secrets Learning Packs](#) - Reading, writing and maths activities for different ages.
- [Twinkl](#) - Click on the link and sign up using your email address and creating a password. Use the offer code UKTWINKLHELPS.

YR3 answers

Menu
Summer 4 Monday

Place Value

Write 938 in words.


nine hundred and thirty-eight

Problem Solving

Alison leaves the beach at 5:45p.m. The walk to the bus stop takes her 25 minutes.

What time does she arrive?

6:10 p.m.




Reasoning

I have sorted these fractions into order from greatest to smallest.

$\frac{1}{5}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{2}$

Is Henry correct?

Explain why.



+ and -

$456 + 40 = 496$

$567 - 200 = 367$

x and ÷

$40 \times 3 = 120$

$28 \div 4 = 7$

YR4 answers

Menu
Summer 4 Monday

+ and -

$5640 + 200 = 5840$

$7000 - 101 = 6899$

Place Value

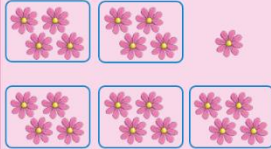
Write seven thousand and fifteen in numerals.

7015

x and ÷

$6 \times 8 \times 9 = 432$


$21 \div 4 = 5 \text{ remainder } 1$



Problem Solving

Saniya has 4 coins in her purse, with a value of £1.72. What value are each of the 4 coins?

£1, 50p, 20p, 2p




Reasoning

3 and 5 are the only factor pairs of 15.

Is Jamil correct?

Explain your reasoning.

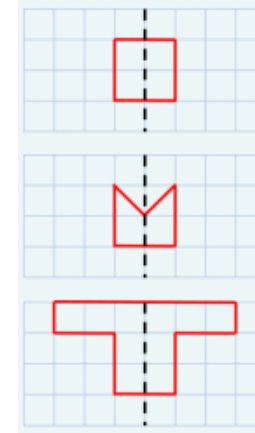



Possible answers:
All have at least 1 line of symmetry.
They have different number of sides/angles.
Only the triangle has a pair of perpendicular sides.

Many possible answers.

Dora is sometimes correct. This depends on where the mirror line is. Encourage children to draw examples of times where Dora is correct, and to draw examples of times when Dora isn't correct.

Children will find a variety of shapes. For example:



 Menu

Summer 4 Wednesday


Place Value

Use the correct symbol to compare these numbers:

854 > 584

Problem Solving

Find two different ways to complete this part-whole model using only numbers which are multiples of 4.



+ and -

448 + 9 = 457


751 - 4 = 747

Reasoning

$\frac{1}{4}$ is the same as $\frac{5}{20}$.

Is Henry correct?


Explain why.



× and ÷

9 × 3 = 27

44 ÷ 4 = 11


Menu

+ and -


$73 + 127 = 200$

$900 - 340 = 560$

× and ÷

$5 \times 6 \times 4 = 120$

$43 \div 5 =$



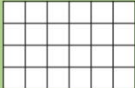
Place Value

Use the symbol < or > to compare these decimals:


45.82
>
 45.28

Problem Solving

Write 4 multiplication and division calculations represented by this rectangle.



Reasoning



All triangles have at least one line of symmetry.

Is Jamil correct?
Explain your reasoning.

Possible answers:
Cube
Cuboid
Square based
pyramid

I do not agree with
Alex e.g. cones
pyramids, spheres
are not prisms.

Various
possibilities
depending on the
shapes used.

Menu

+ and -

2	0	2	5
-	1	7	9
<hr/>			
2	2	8	

× and ÷

$2 \times 4 \times 7 = 56$

$41 \div 5 =$

Place Value

What numbers are hidden on the number line?

35	40	45	50	55	60
100	100	100	100	100	100

Problem Solving

How many parts of this shape need to be coloured in to show $\frac{2}{5}$?

4

Reasoning

In half an hour, it will be 4 o'clock.

Is Saniya correct?
Explain your reasoning.

Place Value

What are the next three numbers in this sequence?

**+ and -**

$$342 + 36 = 378$$

$$673 - 52 = 621$$

× and ÷

$$120 \times 3 = 360$$

$$36 \div 4 = 9$$

Problem Solving

What fraction of the flags were blue?

Blue	6
Red	7
Green	5

$$\frac{6}{18} \text{ or } \frac{1}{3}$$

Reasoning

I have eaten $\frac{1}{2}$ of my sweets and Alison has eaten $\frac{2}{8}$ of hers. I have eaten more.



Is Henry correct?

Explain why.

+ and -

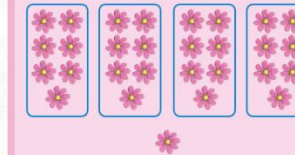
$$2180 + 900 = 3080$$

$$6380 - 2000 = 4380$$

× and ÷

$$4 \times 5 \times 5 = 100$$

$$29 \div 7 = 4 \text{ remainder } 1$$

**Place Value**

What are the next three numbers in this sequence?

**Problem Solving**

How many acute and obtuse angles are there in this triangle?



2 acute
and 1 obtuse

Reasoning

I need to colour in three more parts to show $\frac{3}{4}$.

Is Jamil correct?

Explain your reasoning.







Water Woman: A Superhero



Who is Water Woman?

Water Woman's real name is Sanita Swimmer. Sanita loved to swim, sail, water ski and do just about anything that involved being in the water. Whilst out sailing one day, Sanita went for a swim, only to be stung by a nasty sea creature. Minutes later, she suddenly grew gills and fins and transformed into Water Woman.

Big Superhero Facts!

- Water Woman loves nothing more than singing with whales. However, they don't like it very much as she is tone deaf!
- Her favourite drink is a seaweed smoothie – yuck!
- Water Woman's eyes are different colours: one green and one blue.  
- Her hair changes colour to suit her mood.

What are Water Woman's powers?

Water Woman can make herself invisible and can breathe underwater. She can swim at 9999 miles per hour - way faster than any human or animal on earth. Water Woman is also incredibly strong; she can even lift a huge cruise ship! She uses her powers to save people and animals in trouble in the water. Water Woman also likes to play tricks on the naughty fisherman who try to catch endangered sea creatures. By banging the bottom of their boats and causing waves, she can easily tip them overboard.

Who helps Water Woman?

The kind fisherman, Frankie Fisher, saw her superhero transformation but keeps her identity a secret. He often lets her know when someone is in trouble. She also has an underwater sidekick, Donald the Dolphin, who is very clever but she doesn't always know what he's clicking on about!

Who is Water Woman's enemy?

Steve Sharky is Water Woman's arch enemy. He hates every living creature and tries to hurt all the people and animals that Water Woman tries to save.

Water Woman Questions

1. What was Water Woman called before she became a superhero?

2. How did Water Woman get her superpowers?

3. Name all four of Water Woman's super powers.

4. Why don't the whales like Water Woman's singing? Tick one.

☐ because she doesn't know the words

☐ because she is tone deaf

☐ because she dances at the same time

5. Why does Water Woman sometimes not understand Donald?

6. Who might Water Woman have saved and how?

Water Woman Answers

1. What was Water Woman called before she became a superhero?
Before she became a superhero, Water Woman was called Sanita Swimmer.
2. How did Water Woman get her superpowers?
Sanita went for a swim and was stung by a nasty sea creature. She suddenly grew gills and fins and transformed into Water Woman.
3. Name all four of Water Woman's super powers.
Water Woman's super powers are being able to make herself invisible, breathing underwater, swimming at 9999 miles per hour and also being incredibly strong.
4. Why don't the whales like Water Woman's singing? Tick one.
☐ because she doesn't know the words
☒ **because she is tone deaf**
☐ because she dances at the same time
5. Why does Water Woman sometimes not understand Donald?
Donald is a dolphin so Water Woman sometimes doesn't understand his clicking language.
6. Who might Water Woman have saved and how?
Pupil's own responses, e.g. She might have saved people that are drowning in the sea after their boats capsized or a sea turtle trapped inside a net.

