

Razorbill Week 11 : Learning Project – Victorians Online

Age Range: Y4/5

Weekly English/Topic Tasks

Monday- Watch the videos of life in a Victorian school. <https://www.bbc.co.uk/programmes/p0115hdg> https://www.youtube.com/watch?v=FOMrCi-mh_k
Create a set of notes showing the similarities and differences.
Are many things the same? Are modern schools better?
Compare your findings and try to come up with a paragraph (or two) about why you think schools are better today when compared to the Victorian times. Next, try to create a paragraph explaining why Victorian times were better. This might be more tricky!

Tuesday- Before and during the time of the Victorians, the majority of children had to earn a living to support their families. School was not compulsory so children went to work instead. Some of their jobs were pretty bad.

Children in the Coal Mines

- Many children worked in coal mines. They were extremely dangerous places to work; roofs caved in, there were sometimes gas explosions, tunnels collapsed and workers got all sorts of injuries. There were very few safety rules.
- One of the common dangers for children was shifting coal. To do this, the children had to bring the coal through the tunnels and small shafts. This would require the children to continually bend down and this led to many children suffering growth problems.
- Older children were employed as "coal bearers". This involved carrying loads of coal on their backs in big baskets.
- Younger children often worked as "trappers". It was their job to open and shut the doors in the tunnels to allow the air to circulate through them.



Child Mill Workers

- As in mines and factories, thousands of children also worked in cotton mills. The conditions in mills were very unpleasant. Children spent most of their working hours at machines with little or no time for fresh air or exercise.
- Many children fell ill or had serious accidents.
- Children were scalped when their hair was caught in the machine.
- Many hands were crushed and some children were killed when they went to sleep and fell into the machines.



Chimney Sweeps

- Orphans and homeless children were sold to employers to become chimney sweeps.
- This happened because children were cheap and they could not complain.
- Boys were forced up through the narrow, winding passages of chimneys in large houses in order to clean them.
- Children suffered many cuts, grazes and bruises on their knees, elbows and thighs. It was a dirty and dangerous job.
- In 1832, a law was introduced forbidding the use of boys for sweeping chimneys; unfortunately, we know that this law was ignored!



If you had to choose one of these jobs, which would it be and why? Try to give valid reasons for your choice. Use persuasive language to convince me that your job is a good one.

Persuasive Writing

Sentence Starters

- It is clear that...
- Clearly...
- Everyone knows that...
- Of course...
- The fact is...
- There is no doubt...
- Surely...



Persuasive Language

- also
- although
- as a result
- because
- clearly
- except
- for example
- for instance
- for that reason
- however
- in fact
- instead
- it is clear
- obviously
- of course
- surely



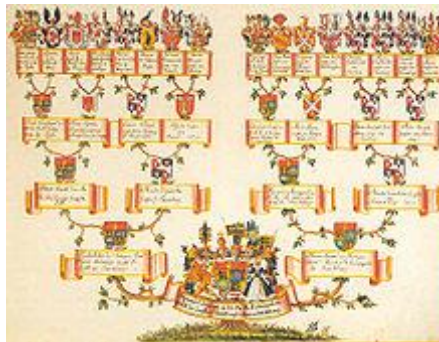
Conclusions

- In conclusion,
- To sum up,
- As a result,
- To end with,
- In summary,



This task is also part of your google classroom work this week (WB 15/6/20). Post your responses in the work set section.

Wednesday- Queen Victoria was a powerful monarch who ruled over Great Britain for 63 years. She also had quite a few children. Create a family tree for Victoria starting with her and taking it to the present day. It might be helpful to do one for your own family first (if you haven't already done so) to help you out. Try to make it look suitably regal.



Thursday- Once schools were mandatory in Victorian times, all children were able to attend. However, the boys and girls were separated into different classrooms and taught different things. Do you think this is fair?

List the advantages and disadvantages of this method of teaching and give your personal thoughts and opinions about it.

Friday- During the Victorian era thousands of miles of train lines were created, revolutionising how people and goods were moved around the country. This also directly effected Padstow with a train line being built in 1899. How did this effect the town and why is the railways influence still having an impact in the modern day? Create a report researching the Wadebridge to Padstow train line.

Weekly Maths Tasks- Yr5 Answers below

Monday-

Place Value

Reveal answer

Write four hundred and thirteen thousand and forty-seven in numerals.



+ and -

Reveal answer

$$37\,091 + 1100 =$$



Reveal answer

$$39\,800 - 900 =$$



× and ÷

Reveal answer

Use a written method to solve this calculation:

$$8872 \times 8 =$$



Fractions

Reveal answer

What number is hidden in these equivalent fractions?

$$\frac{1}{4} = \frac{\text{?}}{28}$$



Problem Solving

Reveal answer

Write the first three common multiples of 3 and 8:



Reasoning

$0.12 < 0.06$
because $1 < 6$.



Is Jamil correct?
Explain your reasoning.

Weekly Maths Tasks- Yr4 Answers below

Monday-

+ and -

$$8065 + 80 =$$



Reveal answer

$$8100 - 1200 =$$



Reveal answer

× and ÷

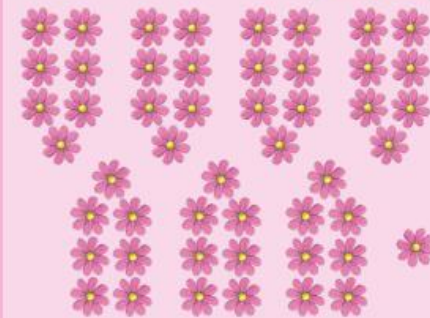
$$6 \times 3 \times 9 =$$



Reveal answer

$$50 \div 7 =$$

Reveal answer



Place Value

Reveal answer

Write two thousand, two hundred and six in numerals:



Problem Solving

Reveal answer

How much money in total?



Reasoning

Is my part-whole model correct?



Explain your reasoning.



Tuesday- Explore the BBC bitesize link showing how to convert decimals to fractions.

<https://www.bbc.co.uk/bitesize/articles/zrsc86f>

Tuesday- Thursday- Explore the BBC bitesize link showing how tenths can be matched to equivalent fractions.

<https://www.bbc.co.uk/bitesize/articles/zvyrkxs>

Wednesday-

Place Value

[Reveal answer](#)

Round 12 674 to the nearest ten.



+ and -

[Reveal answer](#)

$$26\,940 + 600 =$$

[Reveal answer](#)

$$10\,000 - 2800 =$$

× and ÷

[Reveal answer](#)

Use a written method to solve this calculation:

$$3563 \times 5 =$$

Fractions

[Reveal answer](#)

Convert this mixed number into an improper fraction:

$$5\frac{1}{2} =$$

Problem Solving

[Reveal answer](#)

Complete this calculation:

$$3.8 + 0.27 =$$



$$- 1.3$$

Reasoning

An angle measuring 205° is a reflex angle.

Is Jamil correct?
Explain your reasoning.



Wednesday-

+ and -

$$169 + 86 =$$

[Reveal answer](#)

$$1000 - 360 =$$

[Reveal answer](#)

× and ÷

$$3 \times 3 \times 9 =$$

[Reveal answer](#)

$$24 \div 7 =$$

[Reveal answer](#)



Place Value

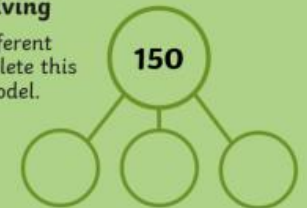
[Reveal answer](#)

Put these numbers in order from smallest to greatest:

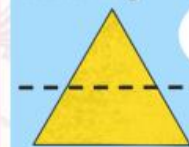
5775 5575 5757 5557

Problem Solving

Find three different ways to complete this part whole model.



Reasoning



Is Talal correct?
Explain your reasoning.

I have drawn a line of symmetry on this triangle.



Thursday- Create a poster explaining how you would add decimals. What method would you use? Try to explain each step clearly but concisely. Your numbers need to use 3 decimal places, tenths, hundredths and thousandths.

Eg 23.345 + 11.321

Thursday- Create a poster explaining how you would add decimals. What method would you use? Try to explain each step clearly but concisely. Your numbers need to use 2 decimal places, tenths and hundredths.

Eg 23.45 + 11.21

Friday-

Place Value

Reveal answer

Which symbol completes this number sentence?

$$10\ 101 \quad \text{10 011}$$

+ and -

Reveal answer

$$309\ 200 + 70\ 000 =$$

Reveal answer

$$92\ 410 - 30\ 000 =$$

× and ÷

Reveal answer

Use a written method to solve this calculation:

$$52 \times 29 =$$

Fractions

Reveal answer

Subtract these fractions:

$$\frac{5}{8} - \frac{1}{4} =$$

Problem Solving

Reveal answer

The area of the face of a cube is 16cm^2 . What is the volume of the cube?

$$\square = 64\text{ cm}^3$$

Reasoning

If I count on a number line from -8 to 13, the difference will be 21.

Is Jamil correct? Explain your reasoning.

Friday-

+ and -

Reveal answer

$$1090 + 70 =$$

Reveal answer

$$9020 - 1000 =$$

× and ÷

Reveal answer

$$7 \times 8 \times 4 =$$

Reveal answer

$$30 \div 9 =$$

Place Value

Reveal answer




What are the next three numbers in this sequence?

18 27 36 ○ ○ ○

Problem Solving

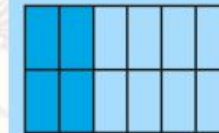
Reveal answer

How many buckets and spades did Amy see on the beach?

Reasoning

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



Is Talal correct? Explain your reasoning.

Science Weekly project

The Victorian Era produced a huge amount of new scientific discoveries, theories and inventions. Scientists and engineers from this period changed the way we live today. Research the work of Alexander Graham Bell and Thomas Edison. What would our world be like today without their discoveries? Draw a picture of a room in your house removing all the things linked to the work of these scientists. You should see quite a difference.

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.

YR5 answers

Place Value

Write four hundred and thirteen thousand and forty-seven in numerals.



413 047

+ and -

$$37\,091 + 1100 = 38\,191$$

$$39\,800 - 900 = 38\,900$$

× and ÷

Use a written method to solve this calculation:

$$8872 \times 8 = 70\,976$$

Fractions

What number is hidden in these equivalent fractions?

$$\frac{1}{4} = \frac{7}{28}$$

Problem Solving

Write the first three common multiples of 3 and 8:



Reasoning

0.12 < 0.06
because 1 < 6.

Is Jamil correct?
Explain your reasoning.



YR4 answers

+ and -

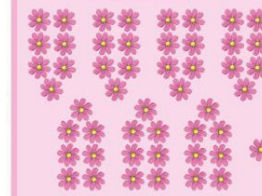
$$8065 + 80 = 8145$$

$$8100 - 1200 = 6900$$

× and ÷

$$6 \times 3 \times 9 = 162$$

$$50 \div 7 = 7 \text{ remainder } 1$$



Place Value

Write two thousand, two hundred and six in numerals:

2206

Problem Solving

How much money in total?

£3.94



Reasoning

145
34 57 54
Is my part-whole model correct?

Explain your reasoning.



Place Value

Round 12 674 to the nearest ten.



12 670

+ and -

$$26\,940 + 600 = 27\,540$$

$$10\,000 - 2800 = 7200$$

× and ÷

Use a written method to solve this calculation:

$$3563 \times 5 = 17\,815$$

Fractions

Convert this mixed number into an improper fraction:

$$5\frac{1}{2} = \frac{11}{2}$$

Problem Solving

Complete this calculation:

$$3.8 + 0.27 = 5.37 - 1.3$$

Reasoning

An angle measuring 205° is a reflex angle.

Is Jamil correct?
Explain your reasoning.



+ and -

$$169 + 86 = 255$$

$$1000 - 360 = 640$$

× and ÷

$$3 \times 3 \times 9 = 81$$

$$24 \div 7 = 3 \text{ remainder } 3$$



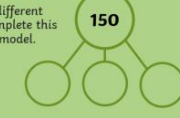
Place Value

Put these numbers in order from smallest to greatest:

5557 5575 5757 5775

Problem Solving

Find three different ways to complete this part-whole model.



Reasoning

I have drawn a line of symmetry on this triangle.



Is Talal correct?
Explain your reasoning.



Place Value

Which symbol completes this number sentence?

$$10\,101 > 10\,011$$

+ and -

$$309\,200 + 70\,000 = 379\,200$$

$$92\,410 - 30\,000 = 62\,410$$

× and ÷

Use a written method to solve this calculation:

$$52 \times 29 = 1508$$

Fractions

Subtract these fractions:

$$\frac{5}{8} - \frac{1}{4} = \frac{3}{8}$$

Problem Solving

The area of the face of a cube is 16cm². What is the volume of the cube?

$$\boxed{} = 64 \text{ cm}^3$$

Reasoning

If I count on a number line from -8 to 13, the difference will be 21.

Is Jamil correct?
Explain your reasoning.



+ and -

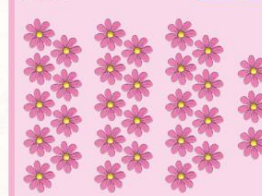
$$1090 + 70 = \text{Reveal answer}$$

$$9020 - 1000 = \text{Reveal answer}$$

× and ÷

$$7 \times 8 \times 4 = \text{Reveal answer}$$

$$30 \div 9 = \text{Reveal answer}$$



Place Value

What are the next three numbers in this sequence?

18 27 36

Problem Solving

How many buckets and spades did Amy see on the beach?



Reasoning

I need to colour in five more parts to show $\frac{1}{2}$.



Is Talal correct?
Explain your reasoning.



