Razorbill Week 12 : Learning Project – Victorians
Online

Age Range: Y4/5

Weekly English/Topic Tasks

Monday- Isambard Kingdom Brunel was on of the greatest Victorian engineers. He helped to revolutionise the way people and goods were transported. Use the internet to create a set of research notes about his childhood, family life and his greatest achievements.

Tuesday- Using your research notes you created yesterday, produce a biography of Isambard Kingdom Brunel. Use the biography features example below to remind you of what should be included and how you might lay it out.
This task is also part of your google classroom work this week (WB 22/6/20). If you are able, post your biographies in the work set section.

Wednesday- Watch the video and try the quiz on BBC bitesize. https://www.bbc.co.uk/bitesize/topics/zwwp8mn/articles/zw38srd

Prepositions A preposition tells us the position of one thing in relation to another, it is also a word that links two nouns (or pronouns).

Here is a list of prepositions I can think of that might help you: Above, across, after, at, before, behind, below, beneath, beside, between, by, down, for, from, inside, in, near, of, off, over, through, to, towards, under, up, with.

Task One Copy the sentences and underline the preposition(s).
1. The boy stood beside the road until it was clear to cross.
2. The train went through the tunnel.
3. He dropped the banana from the window.
4. The boulder fell in front of the bulldozer.
5. The boy ran towards his Daddy.
6. Fish live under the water, far below the surface to keep safe.

Task Two Look carefully at these words. They have a preposition hidden within them. Copy out the word and write the preposition next to it.
For example rain. The preposition is in.

1. rounder
2. supply
3. coffee
4. hovered
5. spoon
6. pastry.

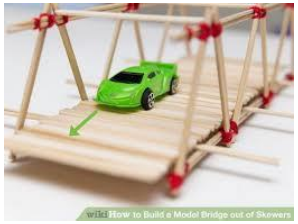
Task Three
Complete each sentence by adding a preposition.

1. Please don't rely ----- me to remind you.
2. I agreed ------- the teacher for once.
3. My shoes are similar ---- yours.
4. I was really ashamed ------- myself.
5. All fruit ----- good for you.
6. There's no point being annoyed ----- me.
7. Dave was suffering ------ a really bad headache.
8. Don't go! Please wait ----- me.
9. I found my lost trainer -------- my bed.
10. The dog jumped ------- the gate to bite me.
11. Nicky wrote a letter ---- her penpal.
12. The train from Carlisle pulled ----- the station late.
13. The penguin dived ----- the freezing ocean.
14. An aeroplane flew ------ my house last night.

Thursday- Using your knowledge of prepositions, create a set of instructions for an every day task at home. It might be making a cup of tea. Putting on a coat or running a bath.

Instruction checklist

- Use "How to..." in the title
- Lists (e.g. materials/ingredients/equipment)
- Numbers/letters or bullet points to show order
- Preposition to show were items are in relation to each other
- Start with Imperative verbs (e.g. mix/stir)
- Short, clear sentences
- Diagrams/illustrations

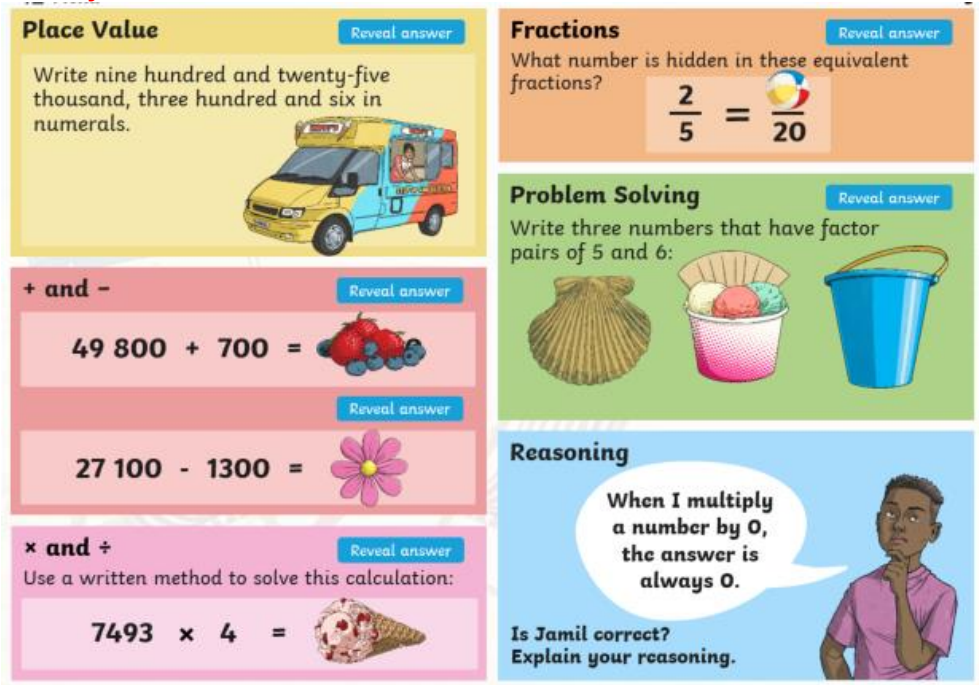


Friday- **Bridge instructions**

Using this week's previous learning tasks about instructions and Brunel, create a set of instructions to build a model bridge. Your bridge design needs to allow a toy car to travel over it and cover a gap of 100cm. Your instructions can suggest the use of any materials you like. These may be paper, card, wood or Lego, it's up to you. Make sure your instructions are clear enough that some one else would be able to use them to make the model. Tuesday's and Thursday's maths lessons may help you with some design elements that will help make your bridge strong enough to support its own weight.

Weekly Maths Tasks- Yr5

Monday-



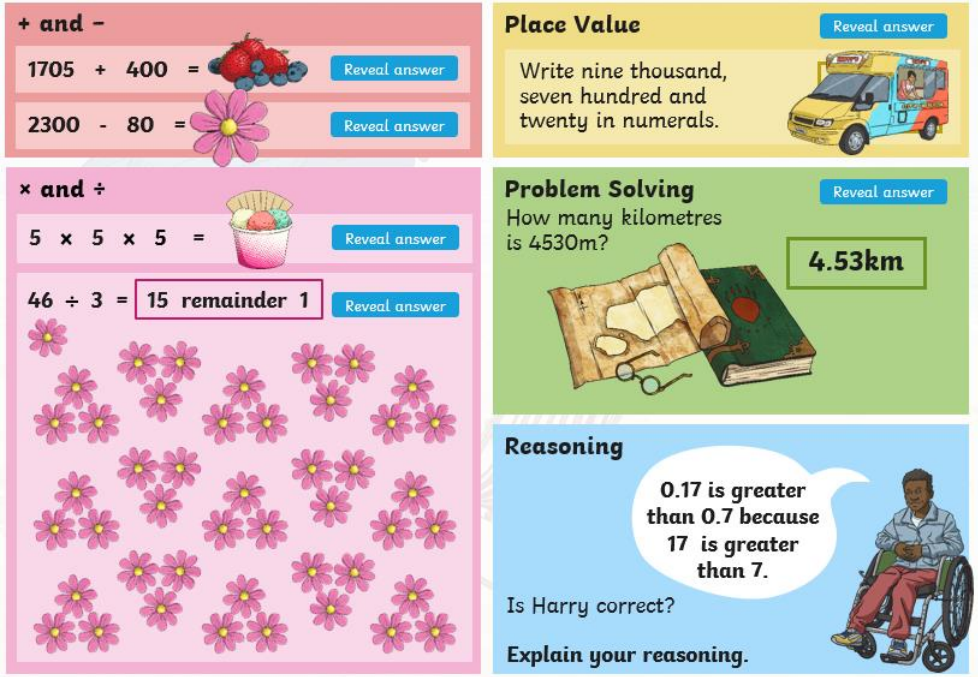
Tuesday- Triangles

Watch the BBC bitesize link about types of triangles.
https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zggsfrd

Research why triangles are used in bridge construction. Why are they used so often? What properties of a triangle allow it to be used in this way?

Weekly Maths Tasks- Yr4

Monday-



Tuesday- Triangles

Watch the BBC bitesize link about types of triangles.
https://www.bbc.co.uk/bitesize/topics/zvmxsbk/articles/zggsfrd

Research why triangles are used in bridge construction. Why are they used so often? What properties of a triangle allow it to be used in this way?

Wednesday-

Place Value

Reveal answer

Round 3.85 to the nearest tenth.

+ and −

Reveal answer

67 030 + 3 000 =

Reveal answer

20 000 - 800 =

× and ÷

Reveal answer

Use a written method to solve this calculation:

8265 × 3 =

Fractions

Reveal answer

Convert this mixed number into an improper fraction:

$3\frac{7}{8} =$

Problem Solving

Reveal answer

Complete this calculation:

98 ÷ 100 = 1 -

Reasoning

An obtuse angle is always greater than an acute angle.

Is Jamil correct?
Explain your reasoning.

Wednesday-

+ and −

112 + 88 =

Reveal answer

2100 - 400 =

Reveal answer

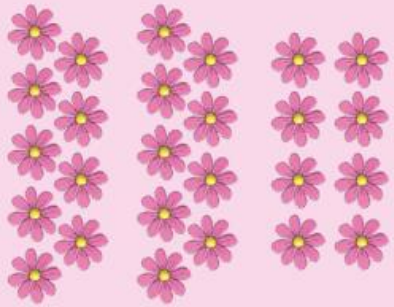
× and ÷

5 × 2 × 6 =

Reveal answer

26 ÷ 9 =

Reveal answer



Place Value

Reveal answer

Put these numbers in order from smallest to greatest:

3300 3003 3033 3030

Problem Solving

Reveal answer

Which of the following are factor pairs of 24?

3 and 8

2 and 10

4 and 7

Reasoning

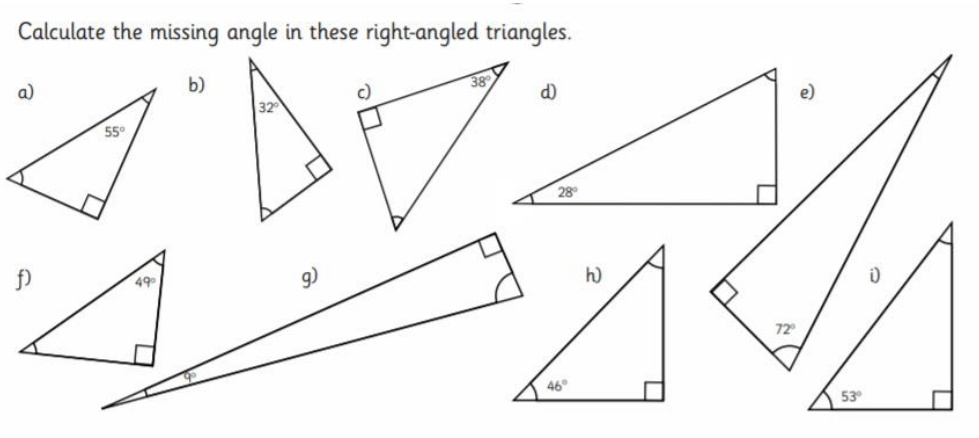
The number 4 in Roman numerals is IIII.

Is Harry correct?
Explain your reasoning.

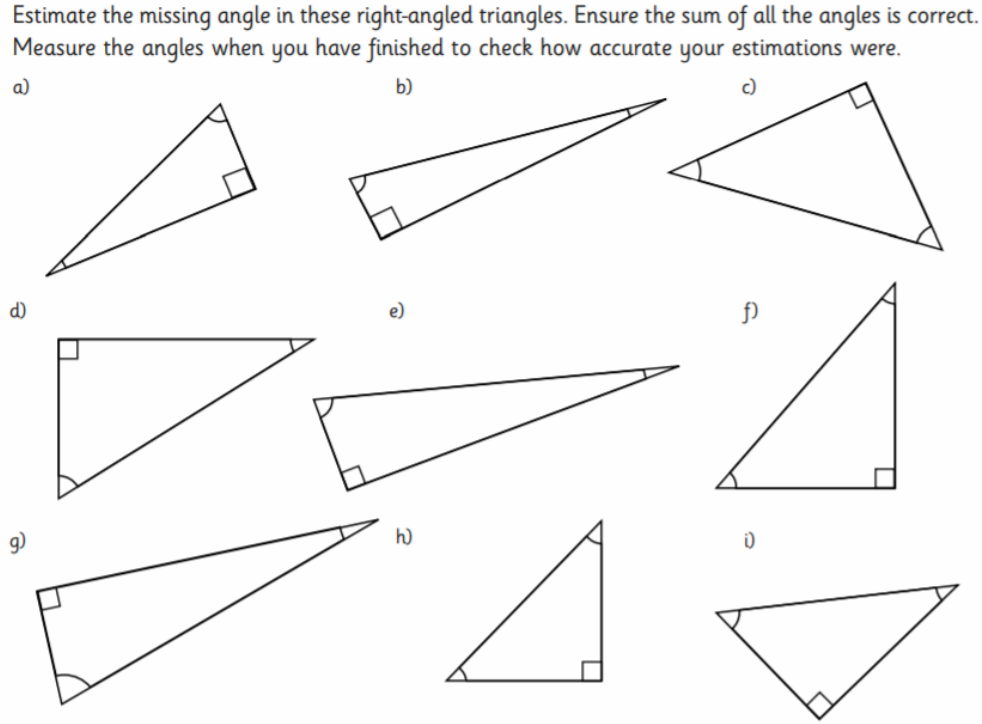
Thursday-. **Angles**

The internal angles of a triangle **always** add up to 180 degrees. A right angle is 90 degrees.

1.Find the value of the missing angles in the triangles below.

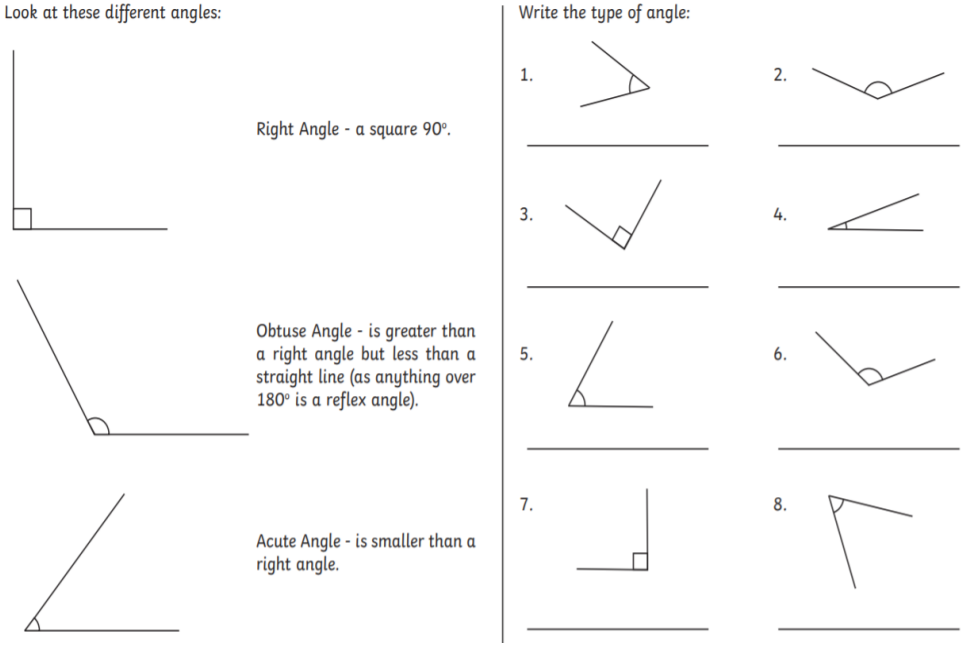


2. If you have access to a protractor, attempt the estimation task below.

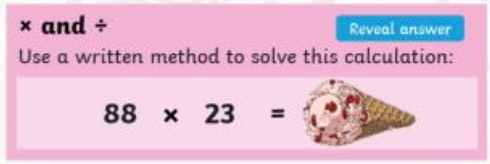


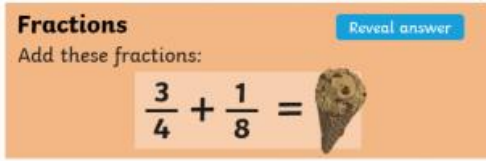
Thursday- Angles

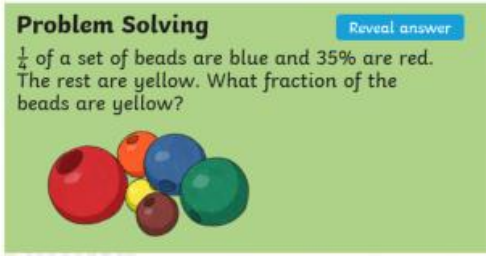
There are 3 common types of angle. Right Angles, Obtuse Angles and Acute Angles. Try to identify each type of angle below.

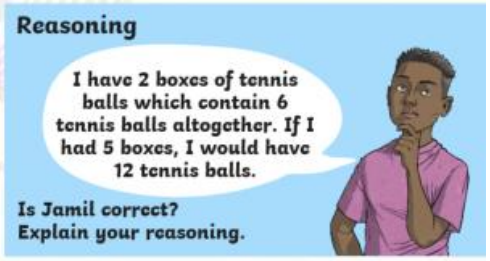


Friday-

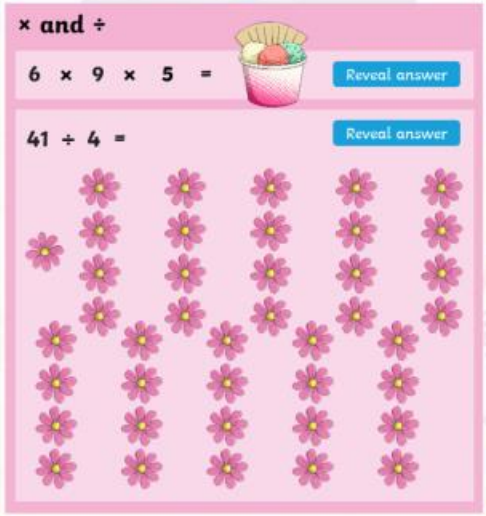


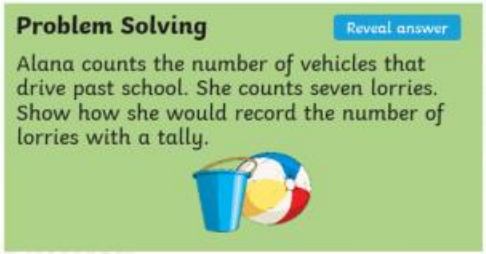


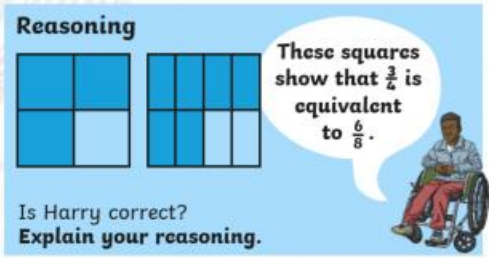




Friday-







Science/DT Weekly project
Use your bridge design instructions to complete an actual model of your bridge.

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.

Biography Features

Annotated Grammar, Punctuation and Spelling Features

[1] Uses the full range of spelling, grammar and punctuation features that have been taught in previous year groups throughout the text.

[2] Selects appropriate grammar and vocabulary to match the purpose and audience of their writing.

[3] Uses organisational and presentational devices that are relevant to the text type, e.g. headings, bullet points, underlining.

[4] Uses linking words/phrases between sentences and paragraphs to build cohesion including time adverbials, e.g. later; place adverbials, e.g. nearby; and number, e.g. secondly.

[5] Uses relative clauses beginning with a relative pronoun (who, which, where, when, whose, that), e.g. Professor Scriffle, who was a famous inventor, had made a new discovery.

The Crimean War[3]

The Crimean War began in 1854. Mary was determined to help the soldiers[12] so she travelled to London and offered to go with Florence Nightingale's nurses. However[4], this was a time of [2] racial prejudice[12], which meant that black people were not allowed to do certain things[5]. The government[12] to co-operate[6] with her,[4] probably[6] because of racial narrow-mindedness.

Instead, Mary and Thomas Day (a family friend)[7] went to Crimea together taking medicines and stores. There[4] they set up the 'British Hotel', which was a simple building that provided medicine and hot food to[4] fortify[10] the soldiers[5]. Additionally[4], she sold clothing and blankets to make them comfortable. Unlike Florence Nightingale, Mary Seacole treated the soldiers' injuries even in the thick of the fighting[4]. They called her 'Mother Seacole' because she was so kind. She said in her autobiography, "It was the grateful words and smiles which rewarded me."

Mary's Old Age[3]

At the end of the war in 1856[4], Mary returned to England with very little money[2]. However, veteran soldiers started a campaign to help her and she was therefore able to live comfortably until[4] her death on 14th May, 1881. Some people have criticised[11][12] her fame because she was not a real nurse like Florence Nightingale but she must[6] be regarded nowadays as an excellent[12] role model for doing good work in difficult and dangerous situations.

[6] Uses adverbs and modal verbs to indicate degrees of possibility, e.g. surely, perhaps, should, might.

[7] Uses brackets, dashes or commas to indicate parenthesis.

[8] Uses commas to clarify meaning or to avoid ambiguity.

[9] Spells a wider range of verb prefixes correctly, e.g. deactivate, overturn, misconduct.

[10] Spells nouns or adjectives converted into verbs using suffixes, e.g. designate, classify, criticise.

[11] Spells more complex homophones correctly, e.g. affect/effect, practice/practise.

[12] Spells most words correctly from the Y5/6 statutory spelling list.

YR5 answers

Place Value

Write nine hundred and twenty-five thousand, three hundred and six in numerals.

925 306

+ and −

49 800 + 700 = 50 500

27 100 - 1300 = 25 800

× and ÷

Use a written method to solve this calculation:

7493 × 4 = 29 972

Fractions

What number is hidden in these equivalent fractions?

$\frac{2}{5} = \frac{8}{20}$

Problem Solving

Write three numbers that have factor pairs of 5 and 6:

(or any multiple of 30)

Reasoning

When I multiply a number by 0, the answer is always 0.

Is Jamil correct?
Explain your reasoning.

Place Value

Round 3.85 to the nearest tenth.

3.9

+ and −

67 030 + 3 000 = 70 030

20 000 - 800 = 19 200

× and ÷

Use a written method to solve this calculation:

8265 × 3 = 24 795

Fractions

Convert this mixed number into an improper fraction:

$3\frac{7}{8} = \frac{31}{8}$

Problem Solving

Complete this calculation:

98 ÷ 100 = 1 - 0.02

Reasoning

An obtuse angle is always greater than an acute angle.

Is Jamil correct?
Explain your reasoning.

Place Value

Which symbol completes this number sentence?

31 313 > 31 133

+ and −

720 400 + 19 000 = 739 400

103 020 - 40 000 = 63 020

× and ÷

Use a written method to solve this calculation:

88 × 23 = 2024

Fractions

Add these fractions:

$\frac{3}{4} + \frac{1}{8} = \frac{7}{8}$

Problem Solving

$\frac{1}{5}$ of a set of beads are blue and 35% are red. The rest are yellow. What fraction of the beads are yellow?

$\frac{2}{5}$

Reasoning

I have 2 boxes of tennis balls which contain 6 tennis balls altogether. If I had 5 boxes, I would have 12 tennis balls.

Is Jamil correct?
Explain your reasoning.

YR4 answers

+ and −

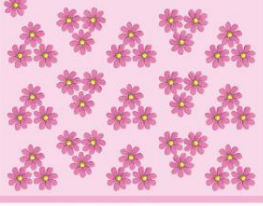
1705 + 400 = 2105

2300 - 80 = 2220

× and ÷

5 × 5 × 5 = 125

46 ÷ 3 = 15 remainder 1



Place Value

Write nine thousand, seven hundred and twenty in numerals.

9720

Problem Solving

How many kilometres is 4530m?

4.53km

Reasoning

0.17 is greater than 0.7 because 17 is greater than 7.

Is Harry correct?
Explain your reasoning.

+ and −

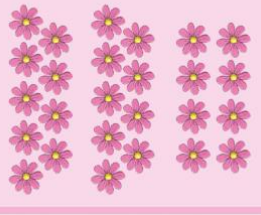
112 + 88 = 200

2100 - 400 = 1700

× and ÷

5 × 2 × 6 = 60

26 ÷ 9 = 2 remainder 8



Place Value

Put these numbers in order from smallest to greatest:

3003 3030 3033 3300

Problem Solving

Which of the following are factor pairs of 24?

3 and 8

2 and 10

4 and 7

Reasoning

The number 4 in Roman numerals is IIII.

Is Harry correct?
Explain your reasoning.

+ and −

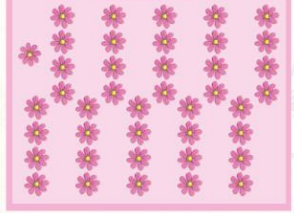
5990 + 200 = 6190

4010 - 60 = 3950

× and ÷

6 × 9 × 5 = 270

41 ÷ 4 = 10 remainder 1



Place Value

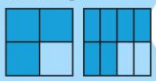
What are the next three numbers in this sequence?

35 42 49 56 63 70

Problem Solving

Alana counts the number of vehicles that drive past school. She counts seven lorries. Show how she would record the number of lorries with a tally.

Reasoning



These squares show that $\frac{3}{4}$ is equivalent to $\frac{6}{8}$.

Is Harry correct?
Explain your reasoning.