

Thursday 17th February 2022

17.02.2022

I can write a newspaper report about the automaton.

Success Criteria:

	SA	TA
Chronological order		
Verb sentence starts		
Adverbs		
Relative clauses		
Semi-colons and colons		

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I can write a newspaper report about the automaton.

**You are a reporter for
Manor Times and you've
been set the task of
reporting about the
automaton.**

HEADLINE

Tag line

I can write a newspaper report about the automaton.

AMAZING AUTOMATON

Wind-up machine delivers baffling picture to hopeful, young boy.

Last Tuesday, Hugo Cabret and his young friend Isabelle (a twelve year old girl) finally managed to get the boy's marvellous mechanical man to work.

In a ten minute period, packed with incredible twists of emotion and tension, Hugo cabret finally located the key to make his father's automaton work. He had been hoping for a message from his deceased father would be the result.

After turning the key and waiting, the mechanical man began to draw frantically. Isabelle told us that Hugo hardly breath because of the tension. However, as soon as it had started, the machine seemingly ground to a halt.

Storming from the table, Hugo flung himself on to the sofa and sobbed hysterically. Isabelle, who was taken aback at this display of emotion, said, 'I'd never seen anybody cry like that before.'

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I can write a newspaper report about the automaton.

Use TWO lines for your headline and then write your tag line underneath it.

Once you have done that, begin your orientation in columns and continue writing in this format.

Success Criteria:

Chronological order
Verb sentence starts
Adverbs
Relative clauses
Semi-colons and colons

17.02.22

I can use reasoning to solve fraction problems

Reasoning:

Reasoning in maths is the process of applying logical and critical thinking to a mathematical problem in order to work out the correct strategy to use (and as importantly, not to use) in reaching a solution.

17.02.22

I can use reasoning to solve fraction problems

Add and subtract fractions:

<https://vimeo.com/503132995>

Add fractions within 1:

<https://vimeo.com/503393745>

Add 3 or more fractions:

<https://vimeo.com/504416042>

Use the video to revise your understanding of multiplications and then have a go at the reasoning problems on the following slides.

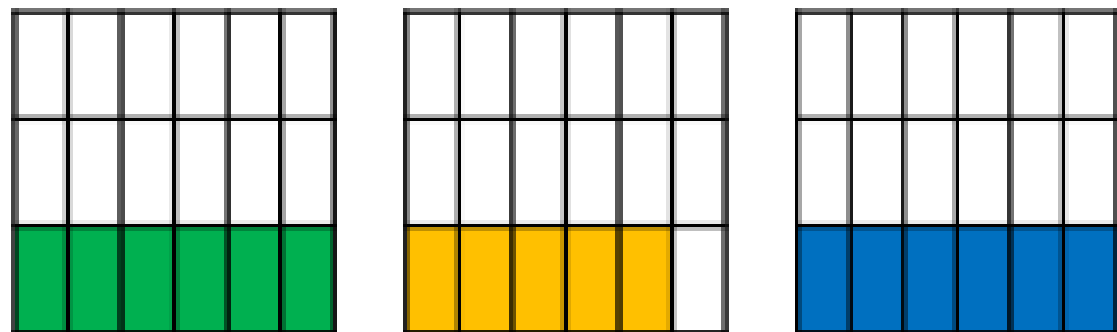
17.02.22

I can use reasoning to solve fraction problems

Task:

- You may work through the questions in any order.
- Please remember to write down the question number/ letter.
- Annotate the key words in the question to help you.
- Please show all working out.
- Where asked, make sure you explain your answer in detail - this is the reasoning part of your question.

1a. Martha has added three fractions based on the models below.



$$\frac{3}{9} + \frac{5}{18} + \frac{6}{18} = \frac{14}{18}$$

Is she correct? Prove it.



2a. Use the clues below to work out which 3 fractions add together to total $\frac{8}{10}$.

- One of the fractions is $\frac{2}{5}$.
- The other two denominators have the same value as each other.
- The other two numerators are odd.

3a. True or false? Lola's calculation gives the larger answer.



$$\frac{1}{7} + \frac{4}{14} + \frac{3}{14}$$

$$\frac{1}{7} + \frac{3}{14} + \frac{3}{14}$$

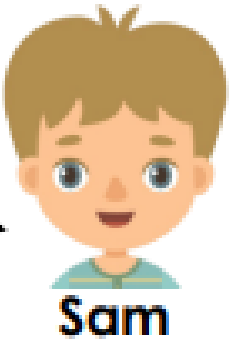


3b. True or false? Sam's calculation gives the larger answer.



$$\frac{2}{6} + \frac{3}{12} + \frac{5}{12}$$

$$\frac{1}{6} + \frac{6}{12} + \frac{3}{12}$$



Explain your answer.



5a. Use the clues below to work out which 3 fractions add together to total $\frac{14}{18}$.

- One of the denominators is 18. Another is half of this.
- One of the denominators is a third of 9.
- No numerator is greater than 4.
- Two of the numerators are even and one is half the size of the other.

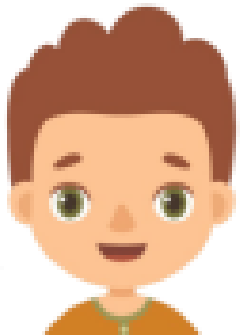
6a. True or false? Sue's calculation gives the larger answer.



Sue

$$\frac{1}{5} + \frac{3}{10} + \frac{2}{20}$$

$$\frac{2}{5} + \frac{1}{10} + \frac{6}{20}$$



Joe

7a. Rita solved the calculation below.

$$\frac{1}{6} + \frac{1}{3} + \frac{1}{4} + \frac{1}{9} = \frac{32}{36}$$

Is she correct? Prove it.

8a. Use the clues below to work out which 3 fractions add together to total $\frac{25}{36}$.

- One denominator is 36. Two of the denominators are less than 10 but greater than 5.
- The denominators are all different and are factors of 36.
- One of the numerators is 2.
- The other two numerators are odd.

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I can use reasoning to solve fraction problems

Plenary:

What steps do we need to take when problem solving?

What is reasoning in Maths?

How did you find today's lesson?

I can answer inference questions.

Inference questions are the types of questions that involve reading between the lines.

You are required to make an educated guess, as the answer will not be stated explicitly.

You must use clues from the text, coupled with your own experiences, to draw a logical conclusion.

The Crime Solvers

Kate Ruttle

1 When she felt the buzzer gently vibrating on her wrist, Lily put her hand up and asked to be excused from the lesson. Monsieur le Roux was displeased at the interruption but reluctantly gave his permission. Lily left the room swiftly and made her way to the nearest quiet place.

5 "What?" she whispered to her watch, trying not to inhale too deeply. The cleaning fluids on the shelves around her mingled with the musty aroma from the damp mops.

8 "It's Nick," said her watch. "Ahmed cracked the code in the message we found. It's definitely tonight. We think they're going to try to rob the jewellers. But we don't know who and we don't know how."

11 "I'm on my way," said Lily. Minutes later, she left the building via the basement so no-one would ask what she thought she was doing.

13 Back at headquarters, Lily looked at the message that Ahmed had decoded.

"Alright," she said. "We may not know how or who, so let's think about what we *do* know."

16 "Well," Nick screwed up his face as he tried to remember everything he had found now. "Tonight is their annual party. When I say 'party', I expect it's lots of overweight old men in suits standing around and being polite to each other." He made a face. "But that means that the jeweller's doors will be open and no-matter how good the doormen are, when it gets busy, they can't always see who's squirming in around the edge of a crowd."

22 "Excellent." announced Lily. "If the robbers can get in that way, then so can we. And if we're caught, we'll say we were testing their security."

24 Ahmed gulped and nodded. He preferred to solve problems sitting at his computer. But if he was needed at the jeweller's he'd be there. He wouldn't let his team down.

27 "What else do we know?" asked Lily, turning to face him.

28 "They've had a suspicious visitor," he offered. "I sneaked a look at their CCTV recordings earlier. There was a customer wearing a long black coat roaming around the stockroom. That's odd in itself. But the visitor was particularly odd. He kept limping for a bit, then he'd walk normally, then he'd start limping again."

33 "Perhaps he only limps when his leg gets tired," suggested Lily.

34 "Yes, but that wouldn't explain why his limp swapped legs," replied Ahmed. "Anyway, not only did he have this strange limp, but he wore a hat with a very wide brim and whenever he was in sight of a camera, he looked down. His face was never caught on camera."

1 In the second paragraph, the word "inhale" is closest in meaning to which of the following?
Tick one.

- sniff breathe in
sneeze feel sick

2a 1 mark

2 Where was Lily at the beginning of the extract?

2b 1 mark

3 In the paragraph beginning "Well," Nick screwed up his face.....", what impression do the words "When I say party" give?

2c 1 mark

4 In the paragraph beginning "They've had a suspicious visitor ...", what does Ahmed's use of the word "sneaked" tell you?

2d 1 mark

5 Number the events to show the order in which they happened.

- Ahmed told Lily about the suspicious visitor.
Ahmed cracked the code.
Lily arrived at HQ.
Nick contacted Lily.

2e 1 mark

2d 1 mark

6 How did Ahmed feel about going to the jewellers?

7 Why did Ahmed think the customer in the long black coat was suspicious? Give two reasons, using evidence from the text to support your answer.

2d 3 marks

8 What do you think Lily plans to do at the jewellers?

2e 1 mark

9 Tick one box in each row to show whether each statement is true or false.

	True	False
Lily is a teacher.		
Nick had found out about the party at the jewellers.		
Lily was worried they might be caught.		
Ahmed is good at working computers.		

2b 2 marks

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I know what Islam and the Catholic Church believe about temptation.

Today we are learning...

Some of the beliefs in Islam about temptation.

http://academickids.com/encyclopedia/index.php/Stoning_of_the_devil

Some of the beliefs the Catholic Church has about temptation.

Vocabulary:

Islam,
Catholic Church,
calligraphy,
temptation,
forgiveness,
strategy,
resist,
consequences.

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I know what Islam and the Catholic Church believe about temptation.

Your task...

Using what we've read about Islam and the Catholic Church, split your page in two and record the beliefs that each has.

Can you highlight any similarities between the two faiths?

Vocabulary:

Islam,
Catholic Church,
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consequences.

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I know what Islam and the Catholic Church believe about temptation.

PLENARY.
Tell me...

Some of the beliefs in Islam about temptation.

Some of the beliefs the Catholic Church has about temptation.

Vocabulary:

Islam,
Catholic Church,
calligraphy,
temptation,
forgiveness,
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