

# Calculating fractions of a quantity

## Discover



The largest doll is 24 centimetres tall.



- 1** a) The smallest doll is  $\frac{1}{8}$  of the height of the largest doll.  
How tall is the smallest doll?
- b) The middle doll is  $\frac{3}{8}$  of the height of the largest doll.  
How tall is the middle doll?

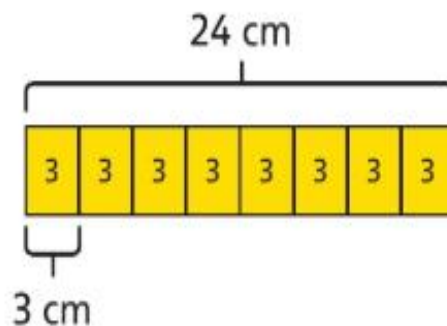
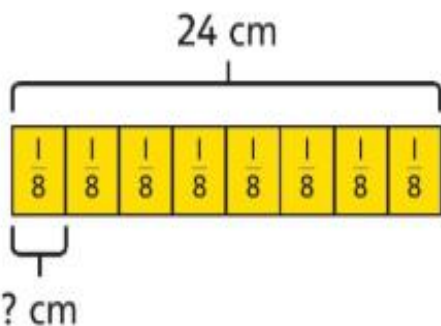
# Share



a) The largest doll is 24 cm tall.

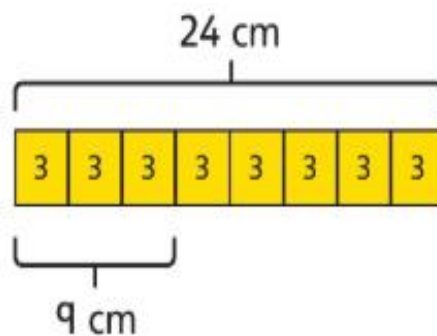


I will split my fraction strip into 8 sections because I need to work out  $\frac{1}{8}$ .



$24 \div 8 = 3$ , so the smallest doll is 3 cm tall.

b)



$24 \div 8 = 3$ , so  $\frac{1}{8} = 3$  cm

$3 \times 3$  cm = 9 cm, so  $\frac{3}{8} = 9$  cm

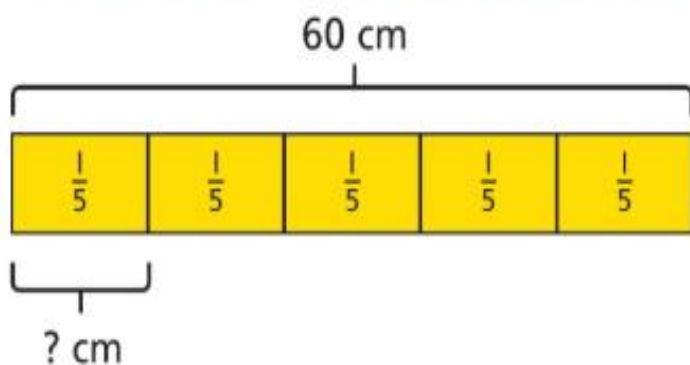
The middle doll is 9 cm tall.

If I know  $\frac{1}{8}$  is 3 cm, I can multiply this by 3 to find  $\frac{3}{8}$ .



## Think together

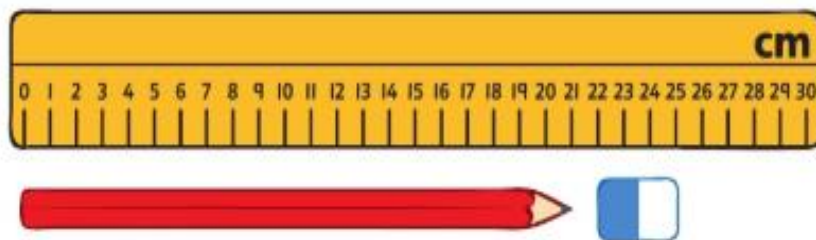
- 1 A toy train is 60 cm long. The engine is  $\frac{1}{5}$  of the train's length. How long is the engine?



$$60 \div 5 = \square$$

The engine is  $\square$  cm long.

- 2 Danisha has a 30 cm ruler, a pencil and a rubber.



- a) The rubber is  $\frac{1}{10}$  of the length of the ruler.

How long is the rubber?

- b) The pencil is  $\frac{7}{10}$  of the length of the ruler.

How long is the pencil?

3 Work out the answers to these questions.

$$\frac{1}{3} \text{ of } 15 \text{ cm} = \square \text{ cm}$$

$$\frac{1}{5} \text{ of } 15 \text{ cm} = \square \text{ cm}$$

$$\frac{3}{7} \text{ of } £42 = £ \square$$

I am going to draw fraction strips to show that my answers are correct.



4 Who has more money, Aki or Ebo?

I have  $\frac{3}{4}$  of £24.



Aki

I have  $\frac{3}{8}$  of £24.



Ebo

CHALLENGE

I do not need to draw a diagram. I know Ebo has more because 8 is bigger than 4!

Is Dexter correct?



- Please practice your **timetables**.  
(Purple mash- Monster multiplication)
- Check the **Mathletics** website to see and complete the tasks that have been set.

<https://www.mathletics.com/uk/>

**Writing Task:**

**Friday 27-3-20**

Friday- Spend 45 minutes of time on this task.

**Continue with your script from your chosen favourite book.**

Just put the date 27.3.20 in the margin and carry on.

Keep going until you have written two more whole pages of your story.

Ask a grown up to read through your play script and ask them to put a > above any spelling mistakes. Then look up these words in a dictionary and correct them.

# The Gunpowder Plot

## The Gunpowder Plot

On 5th November, 1605, there was a planned act of terror like never seen before in England. The plan, which was three years in the making, was to blow up the king of England, Members of Parliament and many important people who ran the country at that time, and possibly cause an outbreak of civil war.

So, why did a group of thirteen men want to cause such destruction?

## How the Plan Came to Be

In 1604, England was ruled by King James I, who also happened to be King James VI of Scotland. He was a Protestant, but his mother had been a Catholic. For many previous years, Catholics had been badly treated by the monarchy; so when a king whose mother had been Catholic was crowned, they hoped he would be a little kinder towards people of their religion. In actual fact, King James I made Catholic priests leave the country, and fined people if they did not go to Church of England services! This made Catholics feel very unhappy about King James I ruling England.

In February of that year, a man called Robert Catesby met with his cousin, Thomas Wintour, and friend John Wright in London and he told them of his idea. Catesby felt the King was trying to get rid of the Catholic faith and all Catholics in society. His plan was to 'replant the Catholic faith' by destroying those he believed were harming it.

## Gathering the Plotters

Thomas Wintour travelled to Flanders in Belgium, which was ruled by Spain at the time, to ask for help with the plot. Spain had been bitter rivals of England but there had been recently been peace between the two countries. Spain wanted to continue being allies with England so refused to help Wintour.



While Wintour was in Flanders, he met Guy Fawkes. Fawkes was fighting for the Spanish and was an explosives expert. He was a Catholic, who also hated the King. The two men sailed back to England just as King James passed more laws against Catholics.

That night, Wintour and Fawkes met with Catesby and two other men in the Duck and Drake pub in London. They all swore an oath of secrecy.

## Planning

Robert Catesby owned a house across the river from the Houses of Parliament and this is where they stored the gunpowder.

Thomas Percy, who was another plotter, arranged to rent a house very near the House of Lords. This meant the plotters could dig a tunnel from his house right underneath the building.

Thomas Percy managed to rent a vault, which was like a cellar, right under the House of Lords. This meant they no longer had to dig a tunnel. Under the cover of darkness, Guy Fawkes began hiding the barrels of gunpowder in the vault.

## The Anonymous Letter

Lord Monteagle was due to attend the opening of parliament on 5th November. He received an anonymous letter, which warned him not to go to the ceremony.

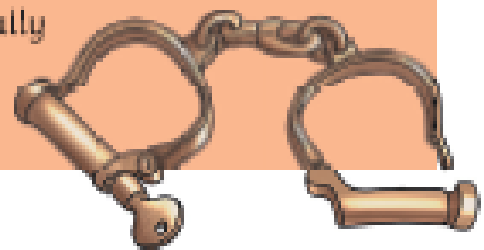
Robert Catesby accused one of the plotters of sending the letter but he denied it. Some of his co-conspirators did try to persuade Catesby to give up on the plan, but he refused.

The king was shown the letter, who immediately ordered an investigation. The House of Lords was searched and there in the vault was Guy Fawkes with 36 barrels of gunpowder and matches in his possession.

## The End of the Plot

Most of the other plotters escaped to the Midlands. Catesby, Percy and the Wright brothers were killed in a gunfight. The rest were wounded but captured and taken to the Tower of London. They were later executed.

Fawkes was arrested and questioned under extreme torture. It took two days for him to eventually confess and give the names of the other men involved. Eventually, he was also executed.



# The Gunpowder Plot Questions

1. In your own words, explain what the Gunpowder Plot was aiming to achieve.

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2. Why did the Catholics not like King James I? Explain your answer.

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3. When did Robert Catesby first tell others about his idea?

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4. What does 'replant the Catholic faith' mean?

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5. Why did the Spanish not agree to help with the plot?

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6. Why do you think Catesby's men 'swore an oath to secrecy'?

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7. How did the practical arrangements of the plan change?

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8. Why do you think the barrels of gunpowder were hidden 'under the cover of darkness'?

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9. Why do you think the letter to Lord Monteagle was sent anonymously?

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10. Explain in your own words, why you think Catesby would not be persuaded to give up on his plan.

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11. What made Guy Fawkes look guilty when he was found in the vault?

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12. Why do you think that Fawkes did not confess straight away?

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## Daily Reading

- Read every day for at least 30 mins.
- Ensure you read a selection of texts including fiction and non-fiction.
- Fill in your **GREEN** reading record book.

## Daily diary:

- Complete a daily diary of **what work and activities you do**, remember to include your **emotions** and **opinions**.

