

Tuesday 30th April

Maths Booster

1. How many edges does a cuboid have?	
2. Olivia buys 6 bananas for 37p each. How much does she spend altogether?	
3. Write $\frac{4}{5}$ as a percentage.	
4. The temperature in Madrid is 12° higher than in London. It's -3° in London. What's the temperature in Madrid?	
5. Every day, 167 people go to the gym. How many people attend the gym over a week?	
6. What is 1,048 rounded to the nearest 100?	
7. Complete the calculation: $300 \times 3.3 = \underline{\quad} \times 3$	
8. I am facing West. I turn anti-clockwise to face North East. How far do I turn in degrees?	
9. A coat is reduced by 20% in a sale. It cost £24 in the sale. What was the original cost?	
10. What is the missing number in this sequence? 0.5, 0.8, 1.2, 1.7, 2.3, $\underline{\quad}$	

$$a_0 = 1 [a_0]$$

10 min SATS Buster

$$\arcsin(z)$$

$$x_{n+1} =$$

30.04.24

TBAT- calculate ratio and proportion

3 in 3

1) $456 \times 23 =$

2) How can I use this answer ($456 \times 23 = 10,488$) to calculate $456 \times 2.3 = ?$

3) $5,675$ divided by $5 =$

Daily 5 - Next slide

Challenge -

$6250 \div 50 = 125$



Explain how you can use this fact to find the answer to 51×125

Daily 5

1. $64\% \times 800 =$

2. $12/15 \div 1200 =$

3. $309 \times 21 =$

4. $12 \times 6 =$

5. $144 \div 12 =$

A ratio shows the relative sizes of two or more values.

We show ratio using :

'For every 2 red balloons, there are 3 yellow balloons'



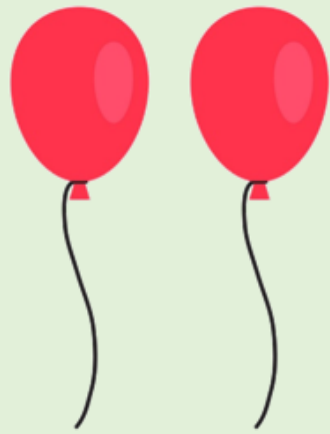
How would your sentence change if there were 2 more red balloons

What is proportion?

Proportion is a part, share, or number in relation to the whole

We show proportion:

'Out of 5 balloons, there are 2 red balloons and 3 yellow balloons'



$\frac{2}{5}$

'2 out of 5'



$\frac{3}{5}$

'3 out of 5'

30.04.24

TBAT- calculate ratio and proportion

Challenge – explain the difference between ratio and proportion to your partner.

Write the ratio and proportion:

Blue



Ratio 'for every'

____ : ____

Proportion 'out of'

$\frac{\square}{\square}$ blue $\frac{\square}{\square}$ yellow

Green



Ratio

____ : ____ : ____

Proportion

$\frac{\square}{\square}$ blue $\frac{\square}{\square}$ yellow $\frac{\square}{\square}$ green

30.04.24

TBAT- calculate ratio and proportion

Talk partners:
Work out these questions The recipe makes 12 biscuits.

Challenge

I use 32,400g of plain flour. How many biscuits did I make?

Biscuit

Serves 12 – Ingredients:

150g/6oz plain flour

100g/4oz butter

50g/2 oz sugar

For decoration

sprinkles

Questions:

1. How much of each ingredient would I need to make 6 biscuits?
2. How much of each ingredient would I need to make 18 biscuits?
3. I used 1 tsp of sprinkles to decorate each biscuit. Each teaspoon weighed about 5g each. How many grams of sprinkles did I use in the recipe?
4. I used a fifth less sugar than stated in the recipe. How much sugar did I use?



30.04.24

TBAT- calculate ratio and proportion

Challenge

Jim has listed the following ingredients to make a pastry.

Once the pastry is made using the given ingredients, it weighs 20% less than combined weight of the given raw ingredients.

Calculate the **weight** of the pastry?

250g Dried fruit
1.5 kg Flour
950 g Sugar
Milk weighing 1.25 kg
50 g Baking powder

Jill's cupboard is 120 cm in height and 30 cm in width.

She is making a **one-tenth** scale model of the cupboard.

What are the **height** and **width** of Jill's model?

Green Height = cm

Blue Width = cm

1 mark

30.04.24

TBAT- calculate ratio and proportion

1. You can buy 3 pots of banana yoghurt for £2.40.
How much will it cost to buy 12 pots of banana yoghurt?
2. A child's bus ticket costs £3.70 and an adult bus ticket costs twice as much.
How much does an adult bus ticket cost?
3. To make a sponge cake, I need six times as much flour as I do when I'm making a fairy cake.
If a sponge cake needs 270 g of flour, how much does a fairy cake need?
4. Sam and Tom share 45 marbles in the ratio 2:3.
How many more marbles does Tom have than Sam?

Challenge

To make a tomato pizza topping for a normal pizza, Jake uses 300 g of tomatoes, 120 g of onions and 75 g of mushrooms.

Jake wants enough sauce for a giant pizza, so he uses 900 g of tomatoes.

What mass of onions will be used?

How many 120 g boxes of mushrooms will he have to buy?

Mastery Challenge

Miss Wills is making jam to sell Sauce at the school fair.

Tomatoes cost £23 for 2kg.

Sugar costs £3.48 for 4kg.

15 glass bottles cost £10.50

She uses 14kg of tomatoes and 10kg of sugar to make 20 bottles full of sauce.

Calculate the total cost to make **40 bottles** full of sauce.

Mastery with Greater Depth -

Here is a recipe for raspberry ice cream.

raspberry ice cream
for 8 people

$\frac{1}{2}$ litre of cream

1kg raspberries

250g sugar



This recipe is for **8 people**.

Josie makes enough raspberry ice cream for **12 people**.

How much **cream** does she use?

litre

Fred makes raspberry ice cream in the same way.

He uses $2\frac{1}{2}$ kg of raspberries.

How much **sugar** does he use?

g

Tuesday 30th April

TBAT: plot the events and emotions of a narrative.

3 in 3

Write the **contracted form** of the underlined words in the box.

That decision does not seem fair.



Circle all the **pronouns** in the sentence below.

They bought new jumpers for themselves and a warm scarf for Dad.

What does the word Others refer to in the passage below?

Some plants, such as sunflowers, die in winter. Others, such as daffodils, survive as bulbs underground.

Tick **one**.

plants

sunflowers

daffodils

bulbs

Tuesday 30th April

TBAT: plot the events and emotions of a narrative.

This is a piece of writing from a Year 6. Can you improve it?

Rummaging through the rubbish, I felt a tug on the end of my tail. I turned around to see three irresponsible tying a rope with tin cans attached to my tail. All of a sudden, the rascals started chasing me. CLANG CLANG! The tins ricocheted off the cobbled pavement. Leaping away from the boys, I ran towards the beautiful sounds coming from down a narrow passageway.

Tuesday 30th April

TBAT: plot the events and emotions of a narrative.

[CGI Animated Short Film HD "Rubato " by ESMA School | CGMeetup \(youtube.com\)](#)

1) Which word best describes the city at the beginning of the video?

tranquil

busy

quiet

scary

2) Which word best describes the man playing music?

frustrated

ecstatic

serene

undisturbed

Tuesday 30th April

TBAT: plot the events and emotions of a narrative.

Talk partners:

How can we infer how a character is feeling?

Tuesday 30th April

TBAT: plot the events and emotions of a narrative.

Infer the emotions and feelings below.

Pursued by the mischievous boys, I barked frantically as the noisy tin-cans trailed behind me.

I was lost in the fantasy of playing with an orchestra on stage until my daydream was interrupted by an ear-rattling sound.

Tuesday 30th April

TBAT: plot the events and emotions of a narrative.

Cut out the main events and place them in order when completing the next task.

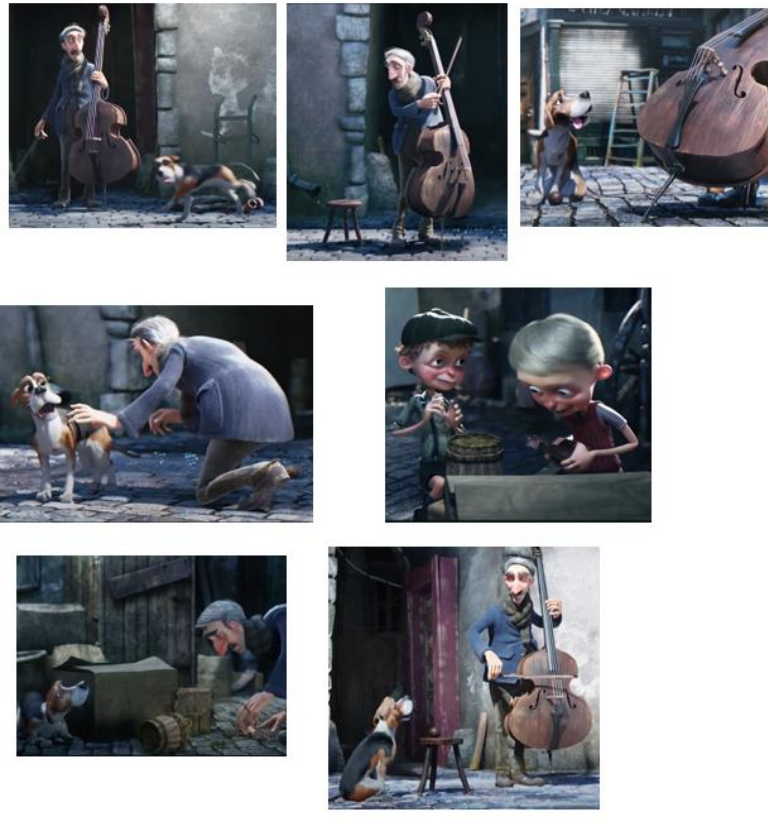
Next to each image, record what your character could:

Feel-

See –

Smell-

Hear-



Tuesday 30th April
Reading Intervention

KS2 English
SAT Buster
Reading
Non-fiction
Book One

Dare to Dance!

Drive-in to 1950s America

