

Maths 25.02.21

Tuesday, February 09, 2021 1:45 PM

Please write all of your answers in RED so it is easier for us to find. Don't forget your Reasoning Rex at the bottom of the page. If you finish, please move on to the next challenge or go on accelerated maths. PLEASE SHOW YOUR WORKING OUT FOR AT LEAST 2 QUESTIONS. This can be using the draw tool or a picture.

5 minute challenge! - Please aim to complete all of these questions even if it takes you longer than 5 minutes.

1. List 3 multiples of 7
2. Round 345 801 to the nearest 1000
3. $3.35 \times 4 =$
4. 3872 divided by 4 =
5. + 501 = 49 + 951

Counting starter:

Practise your 8 times table. You might want to chant it, create a rhyme, spend 5 minutes on TT, write it down as quickly as you can or ask a family member to quiz you!

TBQ: Can I calculate with metric measures?

Recap:

Can you fill in the missing gaps? The first one has been done for you. If you cannot remember, click this link to the knowledge organiser (it is also included in the files tab under maths support). (Options: km, cm, g, kg)



knowledge
organiser

$$\underline{\hspace{1cm}} \text{ mm} \div 10 = \text{ cm}$$

$$\underline{\hspace{1cm}} \div 100 = \text{ m}$$

$$\underline{\hspace{1cm}} \times 1000 = \text{ m}$$

$$\underline{\hspace{1cm}} \times 1000 = \text{ kg}$$

$$\underline{\hspace{1cm}} \div 1000 = \text{ tonnes}$$

Please **watch the video** below as this is new learning to Year 6!

<https://vimeo.com/504806436>

[Spr6.7.3 - Calculate with metric measures](#)

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If you need any more help, please read page 46 of your SAT's book.

Here's another video where Miss Stodd will show you how to solve a very similar problem to the ones you will be answering today!

[Microsoft Stream](#)

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Chilli Challenge! Please write all of your answers in **red**. If you finish your challenge early, either move on to the next challenge or go on one of the maths programmes. **Don't forget the Reasoning Rex!**

If you need any of the conversions, click on the knowledge organiser linked near the recap.

Mild: Extra housepoints if you can explain which operation you use and why!

Q1) An Olympic racetrack is 400 metres all the way around.

A) Jack runs 2 laps. How far does Jack run?

Answer:

B) Rosie runs 3 laps. How far does Rosie run? Write your answer in metres and kilometres.

Answer:

C) Amir runs 4 km. How many laps does Amir run?

Answer:

D) Eva runs 10 km. How many laps does Eva run?

Answer:

Now, move on to hot and have a go at Q1 and 2!

Hot: Some of your problems will involve more than one operation. Extra housepoints if you can explain which operations you have used and why!

Q1) Mo has 2 litres of orange juice. He drinks 200 ml. He then shares the rest equally between 6 glasses. How much orange juice is poured into each glass?

Answer:

Q2) A cat measures 76 cm from its nose to its tail. The length of a lion is 3 times as long as a cat. How long is a lion? Give your answer in metres.

Answer:

Q3) The length of a swimming pool is 25 m. Rosie swims 600 m. Tommy swims 1 km. How many more lengths did Tommy swim than Rosie?

Answer:

Q4) Biscuits are sold in 540g packs. A shop sells 8 packs to one person. How many **grams** of biscuits did the person buy? How many **kilograms** did the person buy?

Answer:

Q5) A bag of apples weighs 350 g. A box can hold 12 bags of apples. What would be the mass of 20 boxes of apples? Give your answer in kilograms.

Answer:

Flamin' Hot: Extra house points if you can explain what method you used and why for at least one question!

Q1) Dani is collecting rainwater in a 1-litre jug. On Monday, she collects 220 ml of water. On Tuesday, she collects a quarter of a litre of water. At the end of Wednesday, Dani sees she only needs another 0.1 litres until her jug is full. How much water did Dani collect on Wednesday?

Answer:

Q2) Jack wants to find out the mass of his suitcase. Jack weighs 34.5 kg. He steps onto the scales and it shows 47 kg and 200 g. How heavy is his suitcase?

Answer:

Q3) A bag contains 200 sweets. Each sweet weighs 1.5 g. The bag itself weighs 16 g. Huan has some bags of sweets. The total mass is 1.264 kg. How many bags of sweets does Huan have?

Answer:

Q4) Mr Jackson has three skipping ropes. One is 1.5m long. One is 300cm long and the final rope is 3.75m long. He lays

them together with the ends touching. What is the total length of his skipping rope line? Pick the most appropriate unit of measure for the answer. Explain why you chose that measure.

Answer:

Q5)

Here is a recipe for 8 cupcakes.

a) Complete the recipe for 24 cupcakes.

Cupcakes (makes 24)

	butter
	sugar
	eggs
	vanilla extract
	flour
	milk

Cupcakes (makes 8)

100 g butter
 100 g sugar
 2 eggs
 1 tsp vanilla extract
 120 g flour
 4 tbsp milk

b) Mo has half a kilogram of butter and plenty of the other ingredients.

What is the greatest number of cupcakes he can make using this recipe? _____

Answer A:

Answer B:

Reasoning Rex: Write a word problem for the calculation $4,560g \times 8$. Explain how you would work it out. (Try to use any vocabulary we have learnt so far this unit eg convert, unit of measure, mass)

Answer:

If you finish all the tasks, you can go on accelerated maths, TTRocks and Maths Facts.