

MATHEMATICS 11th MAY to 14th MAY 2020

The following have videos you can view on [YouTube](#) if you need support.

ALL INTERNET LINKS/ACTIVITIES (ESPECIALLY YOUTUBE) MUST BE MONITORED BY A PARENT OR RESPONSIBLE ADULT.

Monday May 11th

Converting lengths

1. 5km = ___ m
2. 600cm = _____ m
3. 120mm = _____ cm
4. _____ km = 13,000m
5. _____ m = 900cm
6. 1400cm = _____ m

7. Use greater than (>), less than (<) or equals (=) to compare the amounts.

620 cm	<input type="text"/>	7 m
82 mm	<input type="text"/>	7 cm
1300 cm	<input type="text"/>	13 m
3 ½ km	<input type="text"/>	3080 m
425 cm	<input type="text"/>	4 ½ m

8. John rode 2 kilometers on his bike. His sister Sally rode 3000 meters on her bike. Who rode the farthest and how much farther did they ride (answer in km)?

9. Mary buys a reel of thread for sewing. There are 10 m of thread on the reel. She uses 210 cm. How much is left on the reel in centimeters?

10.

3b. Mattias has cycled 4,500m.

Hope has cycled $4\frac{1}{2}$ km.

Hope says,



I have cycled further than Mattias.

Is Hope correct? Explain your answer.

Tuesday May 12th

Converting between grams and Kilograms


The following have videos you can view on [YouTube](#) if you need support.

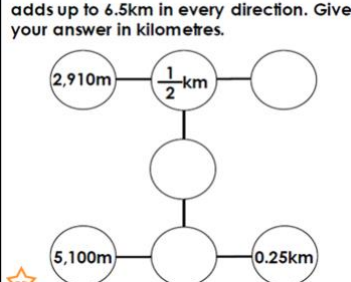
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- 8.64kg = _____g
- 0.025kg = _____g
- 0.63kg = _____g
- 2000g = _____kg
- 5040g = _____kg
- 250g = _____kg

2. A gardener has **10** plants to pot. Each plant pot needs **50g** of soil. How much soil does the gardener need altogether?

a) In grams? b) In kilograms?

3.  Complete these:
 $\frac{1}{2}$ kg = _____ g
 $\frac{3}{4}$ kg = _____ g
Which is greater?
 $\frac{1}{3}$ kg or $\frac{1}{4}$ kg
Explain why.

4.  7a. Complete the circles so that each line adds up to 6.5km in every direction. Give your answer in kilometres.

5.  6a. A bag of oranges weighs 1,500g.
A bag of oranges would cost £3.90.
Is Nadia correct?
Explain how you know.

Wednesday May 14th

Converting between litres and millilitres

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Litres	Millilitres
	216
	128
0.23	
0.158	
	764
0.163	
0.765	
	999
	454
0.841	

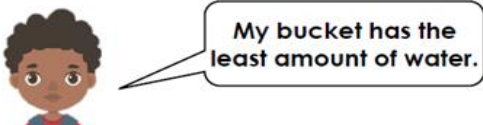
2. Mohammed buys a 3.5 litre bottle of orange juice. How many millilitres has he got?

3. Jayne buys a 2 litre bottle of water from the shop. She pours two equal glasses of water and has 1150ml left. How much water was in each glass?

4. A teacher makes a mixed fruit juice drink, pouring three 750ml cartons of juice into a large jug. What is the volume of the mixed juice drink in litres?


9a. Logan's bucket can hold 5,500ml. Noah's bucket can hold 3L. Logan fills his bucket half way. Noah fills his bucket to $\frac{2}{3}$. They then add 750ml of water each.

Logan says,



My bucket has the least amount of water.

Is he right? Explain how you know.

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Thursday May 14th

Solve problems involving capacity and mass

1. The 20 packets of biscuits in a box weigh 6kg altogether. What is the weight of one packet?
2. Each apple weighs 150g. How much do 12 apples weigh in **kilograms**?
3. A casserole is made with 800g of meat and 1.2kg of vegetables. What is the combined weight of the ingredients? (Think about what you need to do if the units of measure are not the SAME!)
4. A box of lettuces weighs 2kg. If the box weighs 100g, how much do the lettuces weigh?
5. One parcel weighs 470g. A second parcel weighs 200g more. What is the combined weight of the parcels in **kilograms**?
6. A tray holding 24 eggs weighs 1.68kg. Each egg weighs 65g. What is the weight of the tray? (Notice that the units of measures are not the same! What do you need to do to get the final answer?)
7. Jack pours some dark paint into a container.



In litres, how much paint is in the container?

8. A machine pours 250 millilitres of juice every 4 seconds. How many litres of juice does the machine pour every minute?
9. There are 28 pupils in a class. The teacher has 8 litres of orange juice. She pours 225 millilitres of orange juice for every pupil. How much orange juice is left over?