

Year 6 Maths Homework

Due in Friday 7th February 2020

Choose one of the challenges below and complete the answers in your homework books.

Challenge 1 - Converting Units of Mass – copy and complete the following conversions. Remember that if the unit is getting larger then the number must be smaller, and vice versa.

e.g. 300ml = 0.3l

1. 10l = ___ml
2. 8000ml = ___l
3. 550ml = ___l
4. 7.5l = ___ml
5. 500cl = ___ml
6. 650ml = ___cl
7. 85cl = ___l
8. 0.55l = ___cl
9. 50,000ml = ___l
10. 6kl = ___ml (you may need to do two steps for this one!)

Challenge 2 - Word Problems – Read these problems carefully and solve them in your homework books. You don't need to copy out the questions but you should show any written working.

1. One fish bowl contains 3.5l. How many litres do 8 fish bowls contain?
2. The total capacity of 10 large mugs is 5 litres. What is the capacity of one mug?
3. There is 0.4l of milk in the bottle, but I pour in another 250ml. How much milk is in the bottle now?
4. My water bottle has a capacity of 700ml, but I drink half a litre in the morning. How much water is left?
5. A juice carton holds 250ml. How many litres of juice are in a box of 12 cartons?
6. An ice cream tub holds 5 litres. My scoop removes 50ml each time. How many scoops can I take from a whole tub?
7. I put 45 litres of petrol into my car in the morning, use half of it on a drive to my aunt's house, and another quarter of it driving her to the seaside. How much petrol have I got left?
8. A jug of squash holds 5 litres. Andy drinks 300ml, Betty drinks twice as much, and Chris drinks 50cl. How much squash is left?
9. My car uses 550ml of petrol to get to work. How many litres must I put in the tank at the start of the week to make sure I get home on Friday evening?
10. The average swimming pool needs 375,000 litres of water. If Dave's tanker fills the pool at a rate of 3000 litres per minute, how many hours and minutes will it take to fill the whole pool?