

Real-Life Problems Involving Measures

1. Anne has to travel a distance of 20km. She travels 15km on a train and 3.5km on a bus. She walks the rest of the way. How far does she have to walk?
2. I want to make 12 cakes. If I know that 6kg of flour is enough for 36 cakes, how much flour will I need?
3. My car travels 30km for every litre of fuel I put in. A litre of fuel costs £1.25. How far can I drive for £12.50?
4. When a bucket is full it holds exactly $5\frac{1}{2}$ litres. A jug holds 500 millilitres. How many full jugs of water will I need to fill the bucket?
5. Find the cost of 4.5kg of sugar at 20p per 500g.
6. June was going to Euro-Disney. He travelled 150km by car, 50km by bus and 3250km by plane. How far was it from his house?
7. Eastenders started at 7.30pm and lasted for 30mins. The Simpsons started at 8.15pm and lasted 25mins. Toy Story 2 started at 9.00pm and lasted 1hour 55mins. Could I record all 3 programmes on to a 3-hour videotape?
8. The bus arrives at the town centre at 10.30, at the market at 12.00, the library at 14.00 and the museum at 16.05. How long does it take to get from the market to the museum?

9. A plank measures 1metre 50centimetres. I cut off $\frac{2}{5}$ of the plank. How long is the plank now?
10. Pete went swimming. Each length of the pool was 50m long. He swam 6 lengths. How many lengths more does he have to swim so that he has swum 500m in total?
11. I have 10metres of material. I need to cut lengths of 30centimetres. How many complete lengths can I cut? How much will be left over?
12. My mum is 46 and my dad is 48 years old. If I was born in 1987, how old will I be next year?
13. Bob is 20cm taller than Sanjay. Sanjay is 15cm shorter than Alan. Alan is 1m15cm tall. How tall is Bob? How tall is Sanjay?
14. Dad needed 7m of wood to build some shelves. He already had 125cm of wood. How much more did he need to buy?
15. If a snail travels 3mm in 5 minutes, how far will it travel in half an hour?
16. The number 47 bus leaves the bus station at 16.20 and reaches Manchester Centre at 16.52. 24 people get on at the bus station. 17 people get off the bus and 8 get on at Manchester Centre. How many people will still be on the bus at 16.54?