

9.1 Use knowledge of time facts to write equivalent times to multiples of ¼ of a

Eg:
 2.5 hours = 2 hours and 30 minutes
 180 seconds = 3 minutes
 5 ½ hours = 5 hours and 30 minutes



5¼hours = 5 hours and 45 minutes



9.2 Use knowledge of mass and weight facts to write equivalent measures

Eg:
 3.75kg = 3750g
 5678g = 5.678g

Look at the ingredients in a recipe book. Can you convert between grams and kilograms?



Fact file :
 Remember 1000g = 1 kilogram



9.3 Use knowledge of volume and capacity to write equivalent facts

Eg 7.451 litres = 7451 millilitres
 3278ml = 3.278 l

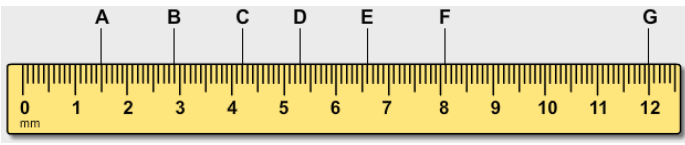
Lay out 3 or 4 playing cards. Using post-it notes can you read it as ml and l. Take care with the decimal point!

5671ml = 5.671l

9.4 Use knowledge of length facts to write equivalent measures

Eg
 5.2Kilometres = 5200me- tres
 4400m = 4.4km
 22millimetres = 2.2 centimetres

Top tip : remember the prefix 'Kilo' means 1000 and 'milli' means $\frac{1}{1000}$



Colour the star when you think you have the skill. Remember, you should aim to answer each question in 3 seconds (try to answer 10 or more in 30 seconds). Your teacher will let you know the next time there's an assessment.

9.5 Count up and down in tenths from any given number

Eg 6.6, 6.7, 6.8, 6.9, 7.0

Make it fun!
 Play Ping Pong
 Start off saying 'ping.'



Child replies 'pong.'
 Then serve with a number which has a tenth (eg 5.76) and the child has to 'return with the number which is 1 tenth more/less. Continue until somebody pauses or makes a mistake.



9.6 Know by heart 1 tenth more than any given number

Playing cards :
 Remove the picture cards from the pack. Using the maths mat, place between 2 and 4 cards in columns. Can you say 1 tenth more than the number. How many questions can you answer in 30 seconds? E.g.

Tens	Units	Tenths	Hun- dredths

5.38

9.7 Know by heart 1 tenth less than any given number

Eg : 1 tenth less than 7.8 = 7.7
 6.2 - 0.1 = 6.1
 5 - 0.1 = 4.9
 1 tenth less than 34.38 = 34.28

Pick a domino from a set facing down. Choose one side to represent the whole number and the other side to be the tenth. How much is one tenth less? How many questions can you do in 30 seconds?

4.1!

Don't forget to try **MyMaths or sumdog** for great games and ideas to improve your mental maths skills. Also try challenging yourself against the clock. Can you beat your personal best?

