

## Year 6 Maths Homework

Due in Friday 17th January 2020

Choose either section A or B and complete them in your homework book.

**A - Converting Units of Length** – 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.  $900\text{m} = 0.9\text{km}$

1.  $10\text{cm} = \_\_\_\text{mm}$
2.  $90\text{mm} = \_\_\_\text{cm}$
3.  $400\text{cm} = \_\_\_\text{m}$
4.  $7\text{m} = \_\_\_\text{cm}$
5.  $500\text{m} = \_\_\_\text{km}$
6.  $3.4\text{km} = \_\_\_\text{m}$
7.  $175\text{mm} = \_\_\_\text{cm}$
8.  $0.87\text{m} = \_\_\_\text{cm}$
9.  $556\text{m} = \_\_\_\text{km}$
10.  $5000\text{cm} = \_\_\_\text{km}$  (you may need to do two steps for this one!)

**B - Word Problems** – Read these problems carefully (especially the last couple!) and solve them in your homework books. You don't need to copy out the questions but you should show any written working.

1. If I double the size of a piece of paper measuring 17cm, how long is it now?
2. If I now cut the same piece of paper into quarters, how long is each piece?
3. A square table has edges which measure 65cm. What is the perimeter of the table in metres?
4. A 190cm plank of wood is cut into nine equal pieces, each measuring 20cm. How much wood is left over?
5. Joy is four times taller than her cousin Kevin. If Kevin is 46cm tall, how tall is Joy in metres?
6. Mark gets three-quarters of the way through his 4.4km journey before stopping for lunch. How many more metres does he have to go?
7. I'm stuck in a traffic jam and am only moving forward 10 metres every minute. How many kilometres would I travel in one and a half hours?
8. Ben is a third of the way up Mount Snowdon and has 3500m still to go. How many kilometres is the entire trek?
9. The bus journey from home to work is 2.4km. How many kilometres do I travel on the bus Monday-Friday?
10. In February 2016 my peace lily grew an average of 1.2cm every day. How much did it grow over the whole month?