Metric measurement - topic test

Name: _____ Date: _____

12 questions | 19 marks | 30 minutes

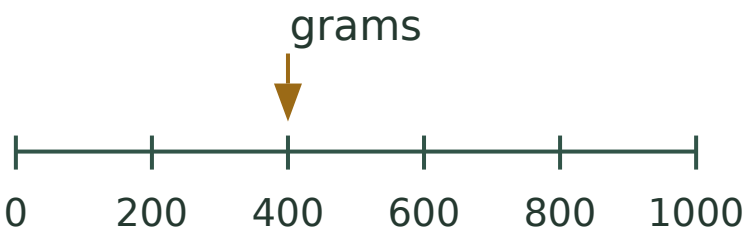
Units, labelled and partly labelled scales, measurements and instrument choices.

No calculator needed.

1. Name a useful metric unit for the length of a pencil. [1 mark]

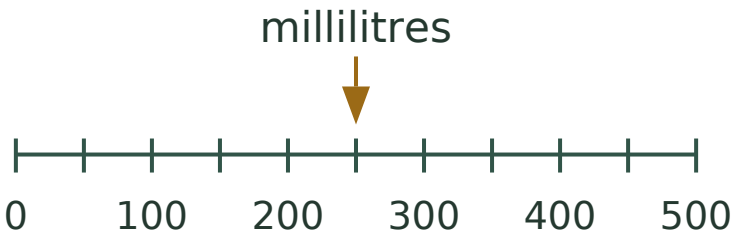
2. Which instrument measures temperature? [1 mark]

3. Read the pointer on the mass scale. [2 marks]

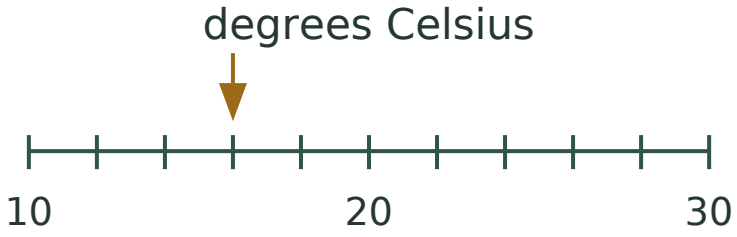


4. Four equal gaps span 0 to 80 mL. Find one gap's value. [1 mark]

5. Read the pointer on this liquid scale. [2 marks]



6. Read this temperature. [2 marks]



7. A strip starts at 4 cm and ends at 13 cm on a ruler. Find its length. [1 mark]

8. A scale shows 20 and 60 mL with eight equal gaps. What is the value of each gap? [2 marks]

9. A thermometer rises from 18 °C to 25 °C. By how many degrees does it rise? [1 mark]

10. A small packet is labelled 500 g. Use $1000\,\text{g} = 1\,\text{kg}$. How many such packets have a total mass of 1 kg? [1 mark]

11. Two rulers measure the same small craft part. A has 1 mm gaps; B has 1 cm gaps. Which gives finer detail, and why? [2 marks]

12. A tank needs 2 L of water. Use $1\,\text{L} = 1000\,\text{mL}$. You have a 500 mL jug. How many full jugs are needed? Explain one way to avoid a counting mistake. [3 marks]