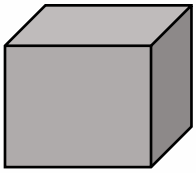
1. Read the question and the student's answer carefully.

2. Use the mark scheme to award the student a number of marks and annotate their answer with suggestions to improve.

Stretch: Rewrite the answer to show how it should be done!



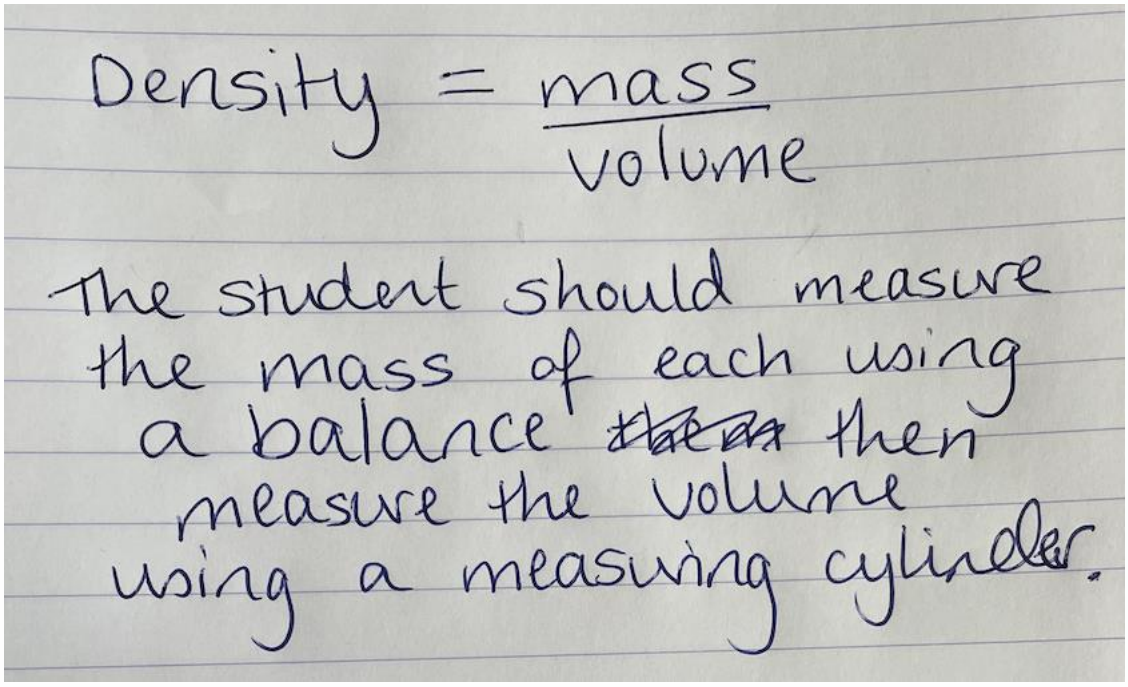
Question:

A student wants to compare the density of two objects.

Describe the method(s) that the student could use to measure the density of each object.

(6)

Student answer:



Marks awarded= _____

Mark scheme:

Level 0 (0 marks)	No relevant content
Level 1 (1-2 marks)	**Basic** descriptions of the measurements that should be taken for **one method** but no mention of how to use them, **or** descriptions of the quantities needed to calculate density but no information on how to measure them.
Level 2 (3-4 marks)	**Clear** description of **one method** to measure density **or** basic descriptions of both methods
Level 3 (5-6 marks)	**Clear** descriptions of **both methods** that would allow the density of each to be measured

For both

- Measure mass using a balance
- Calculate density using $\rho = \frac{m}{V}$

Cube (regularly shaped solid)

- Measure length of sides using a ruler
- Calculate volume using lbh

Screw (irregularly shaped solid)

- Use a displacement can/Eureka can
- Measure the volume of water displaced
- Volume of water displaced = volume of screw