

Cambridge IGCSE Topical Past Papers

# PHYSICS

0625 Paper 2

2017 — 2025

Chapter 1	<b>MEASUREMENT &amp; UNITS</b>	Page 1
Chapter 2	<b>FORCES &amp; MOTION</b>	Page 35
Chapter 3	<b>FORCES &amp; PRESSURE</b>	Page 150
Chapter 4	<b>FORCES &amp; ENERGY</b>	Page 205
Chapter 5	<b>THERMAL EFFECTS</b>	Page 253
Chapter 6	<b>WAVES &amp; SOUNDS</b>	Page 371
Chapter 7	<b>RAYS &amp; WAVES</b>	Page 422
Chapter 8	<b>ELECTRICITY</b>	Page 511
Chapter 9	<b>MAGNETS &amp; CURRENTS</b>	Page 619
Chapter 10	<b>ELECTRICITY &amp; ELECTRONICS</b>	Page 713
Chapter 11	<b>RADIOACTIVITY</b>	Page 765
Chapter 12	<b>SPACE PHYSICS</b>	Page 840

**1 - (0625/21\_Summer\_2017\_Q1)** 

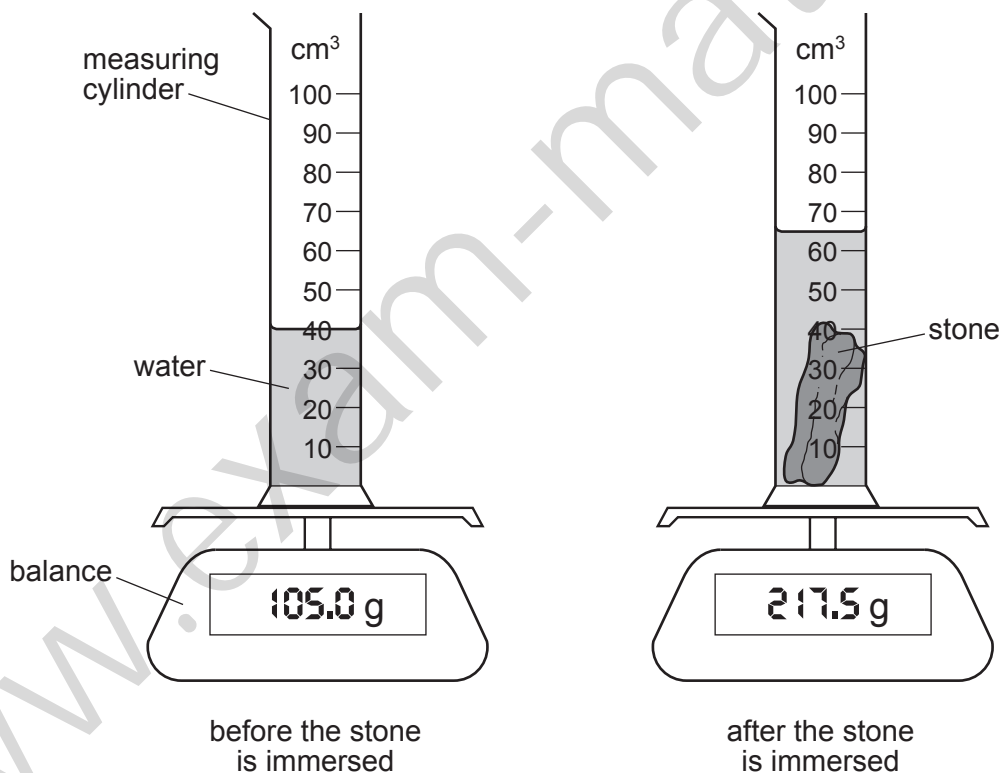
What is the most accurate and precise method to measure the thickness of a coin?

- A** Use a micrometer screw gauge.
- B** Use a ruler and look at the scale perpendicularly.
- C** Use a top pan balance.
- D** Use the displacement method with water in a measuring cylinder.

**2 - (0625/21\_Summer\_2017\_Q5)** 

A measuring cylinder containing only water is placed on an electronic balance. A small, irregularly shaped stone is now completely immersed in the water.

The diagrams show the equipment before and after the stone is immersed.



What is the density of the material of the stone?

- A** 1.7 g/cm<sup>3</sup>
- B** 3.3 g/cm<sup>3</sup>
- C** 4.5 g/cm<sup>3</sup>
- D** 8.7 g/cm<sup>3</sup>

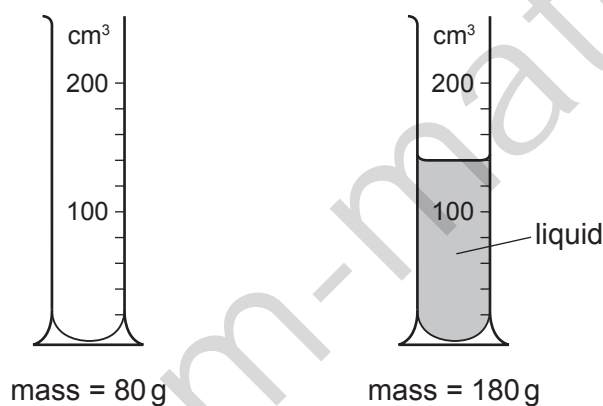
3 - (0625/22\_Summer\_2017\_Q1) 

What is the most accurate and precise method to measure the thickness of a coin?

- A Use a micrometer screw gauge.
- B Use a ruler and look at the scale perpendicularly.
- C Use a top pan balance.
- D Use the displacement method with water in a measuring cylinder.

4 - (0625/22\_Summer\_2017\_Q5) 

The masses of a measuring cylinder before and after pouring some liquid into it are shown in the diagram.



What is the density of the liquid?

- A  $\frac{100}{120} \text{ g/cm}^3$
- B  $\frac{100}{140} \text{ g/cm}^3$
- C  $\frac{180}{120} \text{ g/cm}^3$
- D  $\frac{180}{140} \text{ g/cm}^3$

5 - (0625/23\_Summer\_2017\_Q1) 

What is the most accurate and precise method to measure the thickness of a coin?

- A Use a micrometer screw gauge.
- B Use a ruler and look at the scale perpendicularly.
- C Use a top pan balance.
- D Use the displacement method with water in a measuring cylinder.

1 - A	21 - B	41 - C	61 - A	81 - C
2 - C	22 - C	42 - B	62 - C	82 - C
3 - A	23 - C	43 - D	63 - D	83 - C
4 - B	24 - C	44 - C	64 - C	84 - A
5 - A	25 - C	45 - B	65 - D	85 - A
6 - C	26 - C	46 - A	66 - A	86 - D
7 - C	27 - C	47 - C	67 - C	87 - B
8 - A	28 - C	48 - A	68 - B	88 - A
9 - B	29 - C	49 - A	69 - D	89 - C
10 - A	30 - D	50 - C	70 - A	90 - A
11 - A	31 - D	51 - D	71 - C	91 - A
12 - D	32 - D	52 - C	72 - C	92 - D
13 - A	33 - C	53 - D	73 - B	93 -
14 - D	34 - A	54 - D	74 - C	94 -
15 - A	35 - B	55 - C	75 - A	95 -
16 - D	36 - B	56 - B	76 - B	96 -
17 - B	37 - A	57 - B	77 - C	97 -
18 - C	38 - C	58 - D	78 - B	98 -
19 - B	39 - B	59 - B	79 - A	99 -
20 - A	40 - D	60 - D	80 - B	100 -