Worksheet 2: Measurement accuracy and rounding

PAIRED WORK

Choose three different solids to find the volumes, errors and percentage errors using:

* the given measurements
* rounding to two decimal places (if applicable)
* one decimal place and to the nearest whole number.

Image made in canva.com

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| **1** | 1: Cube with side length: 2.1758m | **2** | Question 2: Cylinder with height of 0.53m and diameter 0.76m |
| **3** | 3. Section of tube where radius of inner tube is 2.4mm, height of 7.48mm and radius of outside of tube is 3.94mm | **4** | 4. Rectangular prism, length is 3.575cm, height of 0.941cm and width of 1.835 cm |
| **5** | 5. Right-angled triangular prism where base is 0.25cm, height is 3.48cm and depth of 2.06cm | **6** | Cylinder height of 3.25m and radius of 1.48m. |
| **7** | 7. Triangular prism with 0.28m base, 0.257m height and 0.356m depth | **8** | 8. Circular prism with diameter of 12.564cm and height of 3.046cm |
| **9** | 9. Square prism with 4.845m length and height of 16.327m | **10** | 10. Trapezium shaped prism with height of 5.03cm, longest width/base of 6.43cm, shortest width of 4.18cm and depth of 3.96cm |