

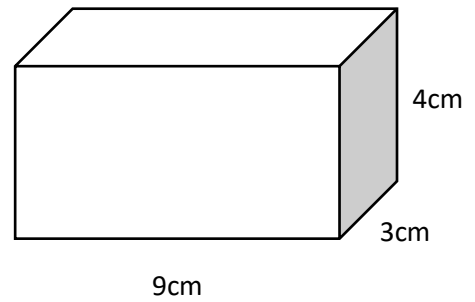
Interleaf 9

1) Calculate

a) $\frac{5}{6} - \frac{3}{8}$ b) $\frac{2}{3} \times \frac{5}{8}$ c) $\frac{6}{7} \div \frac{3}{14}$

2) Calculate the volume of the following cuboid.

State your units clearly



3) Work out y in the diagram to the right

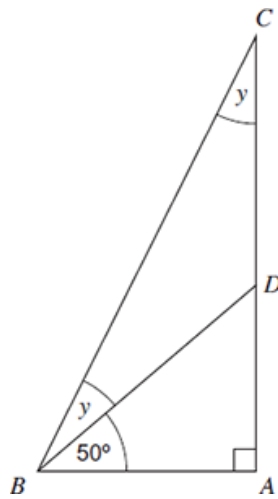
4) Solve for x :

$$\frac{x}{3} - 2 = 5$$

5) Place these numbers in order

(from smallest to largest)

$\frac{3}{8}$ $\frac{1}{3}$ 0.35 30.4%

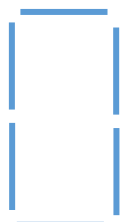


6) Find the mass of 54 spunding valves that each have a mass of 0.23kg

7) Matchsticks are laid down in the following sequence:



Pattern 1



Pattern 2



Pattern 3

How many matchsticks would be used in the 40th pattern?

Answers

1a) $\frac{11}{24}$ b) $\frac{5}{12}$ c) 4 2) 108cm^3 3) 20 4) 21 5) $0.304\frac{1}{3}$ $0.35\frac{3}{8}$ 6) 12.42kg 7) 82