

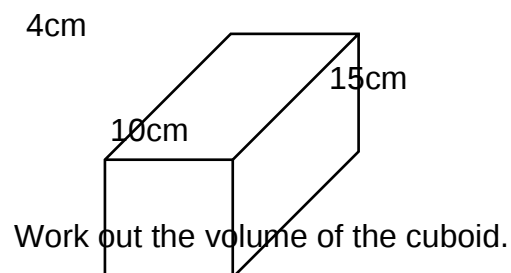
Exam questions

Here is a list of numbers.

5 11 18 22 29

From the list, write down a multiple of 3.

Here is a cuboid.



Jenny has 12 marbles.

$\frac{1}{4}$ of these 12 marbles are large.

The rest of these 12 marbles are small.

Each large marble has a weight of 70 grams.

Each small marble has a weight of 50 grams.

Work out the total weight of the 12 marbles.

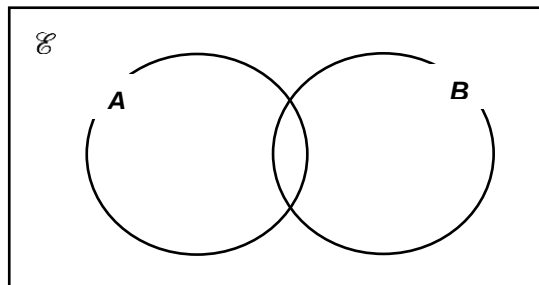
..... grams

$$\mathcal{E} = \{1, 2, 3, 4, 5, 6, 7, 8, 9, 10\}$$

$$A = \{\text{even numbers}\}$$

$$B = \{\text{factors of 10}\}$$

(a) Complete the Venn diagram for this information.



A number is chosen at random from the universal set, $\mathcal{E}$.

(b) Find the probability that this number is in the set $A \cap B$.