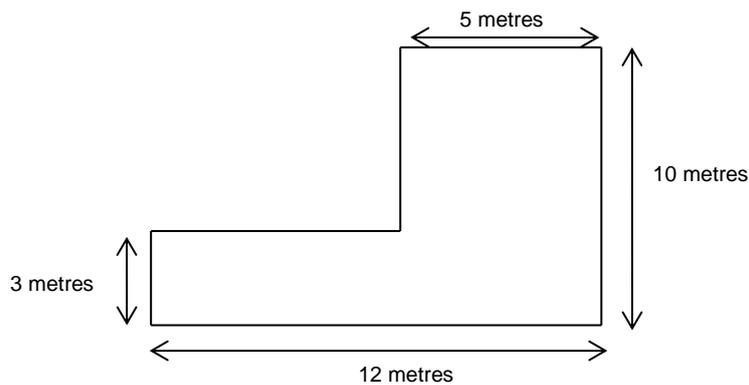# Assessment tasks

4. Complete the following table which shows departure and arrival times for different bus journeys.

Depart	Arrive	Time taken
0745	1515	
2010		3h 35 mins
	1655	2h 35 mins

3

5. The diagram shows an L-shaped room.

O1.5

The joiner finishing the room bought 40m of wood for the skirting.

1   **1**

Has he bought enough wood to edge the whole room?

6. A racing car travelled a speed of 240mph for 15 minutes.

How far did it travel in this time?

1

7. The PT decides his 63 textbooks should be split in the ratio of 3:4 between two classes.

The larger class received 36 books.
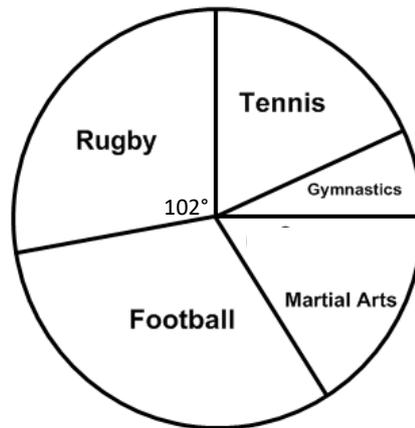
O1.5

Is this the correct amount?
Justify your answer by calculation.

2   **1**

13. A school survey asked 540 pupils their favourite sports. The results are shown in the pie chart below:

How many pupils favourite sport was Rugby?

O2.1

1   1

14. An investment company promises a different rate of profit depending on which product you choose and how much money you invest.
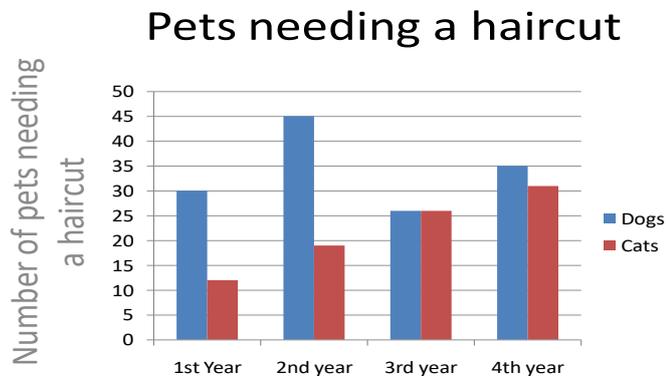
Product	Less than £500	Between £500 and £1000	Between £1000 and £10000	More than £10000
ISA	2.1%	2.3%	2.4%	3.8%
Bonds	1.7%	2.5%	2.6%	3.5%
Shares	2.4%	2.2%	2.8%	3.1%

O2.1

If you invest £800 which product will give you the most profit?

1

15.   A local pet shop gathered the data from birth of animals requiring a haircut.
The compound bar chart below gives the results of the data collected.

Pets needing a haircut

(a)   How many dogs needed a haircut in the 4th year?

(b)   Compare the numbers requiring a haircut by both cats and dogs across the 4 years.

16.   Three mobile phone companies each have a contract available at the same price.

	Company A	Company B	Company C
Calls (minutes)	300	200	100
Texts	200	400	300
Internet (Mb)	250	100	750

O2.2

John is looking for a mobile phone contract which will give him
90 minutes of calls, 300 texts, and 600Mb of internet use.

$\overline{1}$

Which company's plan would be best for him?

17.	Pupils are being selected to represent the school in a mathematics competition.

O2.3

Class A has 30 pupils and 4 are to be selected
Class B has 24 pupils and 3 are to be selected

$\overline{1}$

In which class do you have a better chance of being selected?

18.	Three football teams play different amount of games.

Man City has won 53 of their 58 games
PSG has won 49 of their 54 games
Real Madrid has won 57 of their 64 games

O2.3

Which team has the best win percentage?
Justify your answer by calculation.

$\overline{1}$