

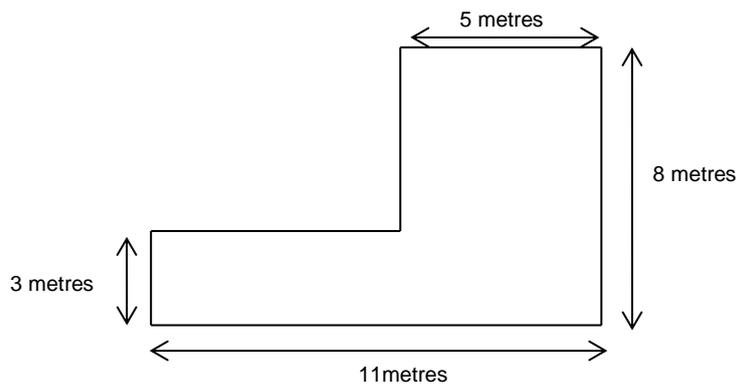
Assessment tasks

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

Depart	Arrive	Time taken
0930	1215	
2030		4h 20 mins
	1550	3h 15 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 cyclist travelled a speed of 40 mph for 15 minutes.

How far does he travel in this time?

1

7. The PT decides his 56 textbooks should be split in the ratio of 2:5 between two classes.

The larger class received 42 books.

Is this the correct amount?

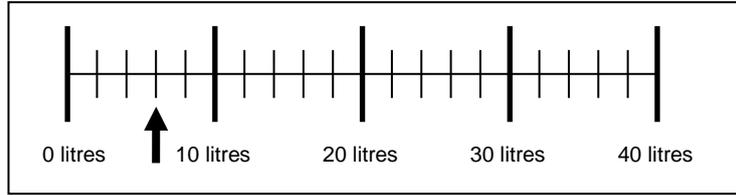
Justify your answer by calculation.

O1.5

2

1

9. The petrol guage in a car is shown below. How much petrol will be required to fill the tank?



O1.4

1

12. The Wilson family are renovating their house and are using a skip to remove the waste. The skip hire company has two sizes of skip

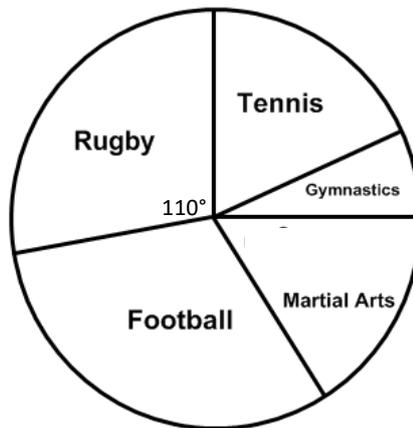
20m³ skip costing £120 to empty
 35m³ skip costing £180 to empty

O1.4

If the Wilsons have an estimated 88m³ of waste to remove, how many of each skip will they require?
 How much will this cost?

1

13. A school survey asked 1440 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.

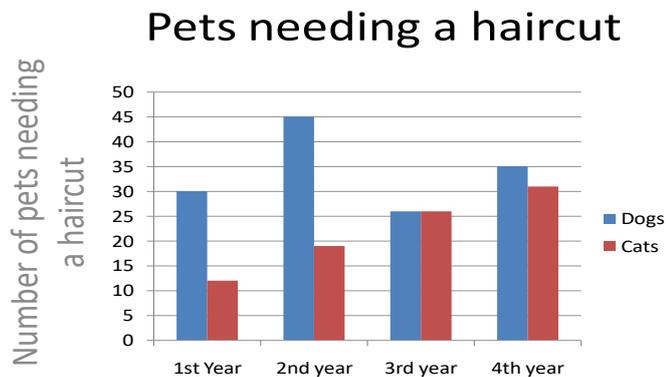
Product	Less than £500	Between £500 and £1000	Between £1000 and £10000	More than £10000
ISA	2.1%	2.3%	2.4%	3.8%
Bonds	1.7%	2.5%	2.6%	3.5%
Shares	2.4%	2.2%	2.8%	3.1%

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.



- (a) How many cats 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	150
Texts	200	400	300
Internet (Mb)	250	100	750

O2.2

John is looking for a mobile phone contract which will give him 120 minutes of calls, 250 texts, and 400Mb of internet use.

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 20 pupils and 5 are to be selected
Class B has 26 pupils and 6 are to be selected

1

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

18. Three rugby teams play in the same city.

Club A has won 3 of their 10 games
Club B has won 4 of their 12 games
Club C has won 5 of their 14 games

O2.3

Which team has the best winning record?
Justify your answer by calculation.

1