

Ratio 1F Assessment

Foundation Level

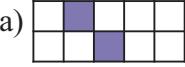
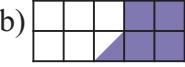


All questions

Clip	Grade	Title of clip	Question(s)	Marked out of	Score	%
38.....	2.....	Introduction to Ratio	1 - 2	10	_____	_____
39.....	2.....	Using Ratio for Recipe Questions	3 - 4	7	_____	_____
40.....	2.....	Introduction to Percentages	5	6	_____	_____
41.....	2.....	Value for Money	6 - 7	6	_____	_____
42.....	2.....	Introduction to Proportion	8 - 10	8	_____	_____
105.....	3.....	Exchanging Money	11	5	_____	_____
106.....	3.....	Sharing using Ratio	12 - 14	10	_____	_____
107.....	3.....	Ratios, Fractions and Graphs.....	15 - 16	8	_____	_____

Out of 60 TOTAL SCORE _____

Final Percentage %

- 1) Write the following ratios in their simplest form
- a) $3 : 24$ c) $8 : 12 : 10$
- : 1 : : 2
- b) $6 : 20$ d) $18 : 6 : 54$
- : 1 : : 2
- 2) The scale on a map is $1 : 10\,000$
- a) Parnby is 17 cm from Houth on the map.
How many km is Parnby from Houth?
 km 2
- b) If Houth is 11.5 km from Kikby, how many cm apart will they be on the map?
 cm 2
- 3) Here are the ingredients needed to make 10 flapjacks.
- | |
|-------------|
| 100 g Oats |
| 80 g Butter |
| 50 ml Syrup |
| 54 g Sugar |
- Work out the amount of each ingredient needed to make 25 flapjacks.
- | |
|----------------------------------|
| <u> </u> g Oats |
| <u> </u> g Butter |
| <u> </u> ml Syrup |
| <u> </u> g Sugar |
- 4) 225 g of butter are needed to make 18 mince pies.
Anais has 475 g of butter.
Does she have enough butter to make 40 of these mince pies?
You must show all your working.
- 5) What percentage of these grids are shaded?
- a) 
 % 1
- c) 
 % 2
- b) 
 % 1
- d) 
 % 2
- 6) A pack of 4 pens costs £1.60
A pack of 6 pens costs £1.80
Which pack is the best value for money?
You must show all your working.
- 7) A 3 kg bag of potatoes costs £2.79
A 5 kg bag of potatoes costs £4.85
Which is the best value for money?
You must show all your working.
- 8) Brian made 8 pancakes with 160 g of flour.
- a) How many pancakes can he make with 320 g of flour?
 1
- b) How many pancakes can he make with 200 g of flour?
 2
- 9) If 6 mangoes cost £7.50, how much would 10 of them cost?
 2
- 10) 3 people can build a wall in 4 hours.
How long would it take 2 people to build the same wall?
 3

- 11) Emma is travelling to Munich.
She changes £450 into Euros (€).
The exchange rate is £1 = €1.37

a) Work out how many € Emma gets.

€ _____

2

On her return home, Emma still has €152
She wants to change them back to £
The exchange rate is now £1 = €1.33

b) Work out how many £ she would get.

£ _____

3

- 12) Bill, Tim and Rose share £120 between them
in the ratio 2 : 1 : 3
How much should each of them receive?

Bill _____

Tim _____

Rose _____

3

- 13) Yasmin and Ibrahim buy a present for their dad,
sharing the cost in the ratio 6 : 5
Ibrahim pays £15
How much did the present cost?

£ _____

3

- 14) To obtain the desired colour for his project,
Rick is mixing red paint with yellow paint
in the ratio 5 : 3
A litre of red paint costs £4.99 and a litre of
yellow paint costs £7.99
If Rick needs 40 litres of his desired colour,
how much will it cost him?

£ _____

4

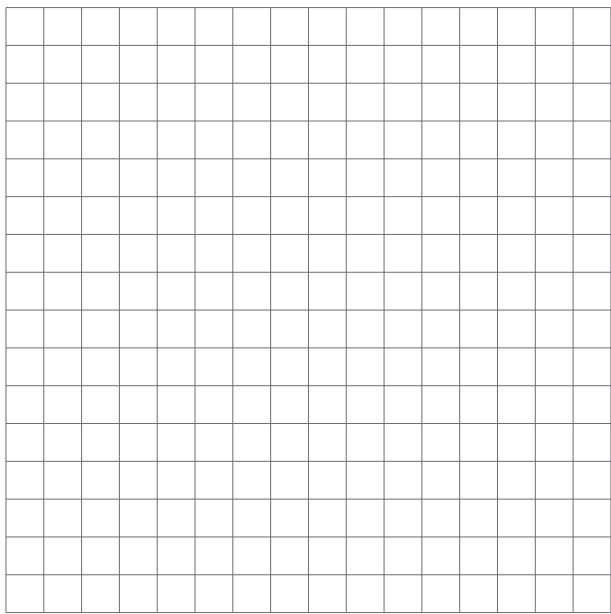
- 15) In a class, the ratio of boys to girls is 3 : 2

a) What fraction of the class are boys?
_____ 1

b) What fraction of the class are girls?
_____ 1

- 16) Miles and km are in the ratio 5 : 8

a) Draw a graph to illustrate this.



2

b) Use your graph to convert 12 km to miles.

_____ miles 1

Carol is on a 1200 km journey by car.

She has already travelled 300 miles.

c) Work out how many km she has left.

_____ km 3