2.74 Multiplying and Dividing Fractions in Context: 10-minute Pack

Total Marks

GL ASSESSMENT GL-11PLUS-MATHS · Calculators not allowed · about 10 minutes

Name: _____ Date: ____ / ____ / _____

Answer ALL questions. Show all your working.

1 A pizza is cut into 8 equal slices. Sophie eats 3/4 of the pizza. How many slices does she eat?

- ☐ A) 5
- ☐ B) 4
- ☐ C) 6
- ☐ D) 7
- ☐ E) 3

---

2 What is 4/9 of 63?

- ☐ A) 27
- ☐ B) 28
- ☐ C) 24
- ☐ D) 36
- ☐ E) 32

---

3 What is 1/6 of 2/3?

- ☐ A) 1/9
- ☐ B) 1/3
- ☐ C) 2/9
- ☐ D) 1/4
- ☐ E) 1/6

© Revision Library | revisionlibrary.co.uk

4 What is 5/8 divided by 7/10?

- ☐ A) 3 1/3
- ☐ B) 1 3/25
- ☐ C) 25/28
- ☐ D) 1
- ☐ E) 7/16

---

5 What is 1/3 of 3/7?

- ☐ A) 2/5
- ☐ B) 7/9
- ☐ C) 3/10
- ☐ D) 4/21
- ☐ E) 1/7

---

6 Niamh has 1/2 of a tray of flapjack left and eats 7/9 of what is left. What fraction of the whole tray does Niamh eat?

- ☐ A) 7/18
- ☐ B) 7/11
- ☐ C) 8/11
- ☐ D) 4/9
- ☐ E) 9/14

---

7 A paint can contains 6 litres. 2/3 of the paint is used on the walls. Then 3/5 of the remaining paint is used on the doors. The rest is poured into small tins each holding 1/8 litre. How many full tins are filled and how much paint is left over (give the leftover as a fraction of a litre)?

(5)

© Revision Library | revisionlibrary.co.uk

Mark scheme · 2.74 Multiplying and Dividing Fractions in Context: 10-minute Pack

A correct answer earns full marks unless the question asks for working, a method, proof or explanation.

Question 1

correct option C (6 slices) cao	**B1**

Answer: C) 6 slices

Question 2

correct option B (28) cao	**B1**

Answer: B) 28

Question 3

correct option A (1/9) cao	**B1**

Answer: A) 1/9

Question 4

correct option C (25/28) cao	**B1**

Answer: C) 25/28

Question 5

correct option E (1/7) cao	**B1**

Answer: E) 1/7

Question 6

correct option A (7/18) cao	**B1**

Answer: A) 7/18

Question 7

Find paint used on walls: 6 x 2/3 = 4 L seen	**M1**
Find paint used on doors: remainder 2 L then 3/5 of 2 = 6/5 (= 1.2 L) seen	**M1**
Find remaining paint after doors: 2 - 6/5 = 4/5 L seen	**M1**
Divide remaining by 1/8 (or multiply by 8) to find number of tins seen	**M1**
6 full tins and 1/20 L left over cao	**A1**

Answer: 6 full tins and 1/20 litre left over

© Revision Library | revisionlibrary.co.uk