Contents

Chapters

1 Fractions: Division 3
20 questions · Answers p. 94

2 Percentage 13
20 questions · Answers p. 97

3 Ratio 24
20 questions · Answers p. 99

4 Algebra 33
20 questions · Answers p. 101

5 Area and Circumference of Circle 42
20 questions · Answers p. 103

6 Volume of Cube and Cuboid 55
20 questions · Answers p. 106

7 Special Quadrilaterals 68
20 questions · Answers p. 108

8 Average 83
20 questions · Answers p. 110

Answers

Chapters 1 to 8: every answer with its working 93

CHAPTER 1

Fractions: Division

20 workbook questions



In this chapter

20 questions, 40 marks. Show your working in the space given and write your answer on the answer line. The answers are on page 94.

- Set A: Practice: 8 questions, 8 marks
- Set B: Apply: 8 questions, 16 marks
- Set C: Problem Sums: 4 questions, 16 marks

Name: _____ Class: _____ Date: _____

PRIMARY 6 · MATHEMATICS · FRACTIONS: DIVISION

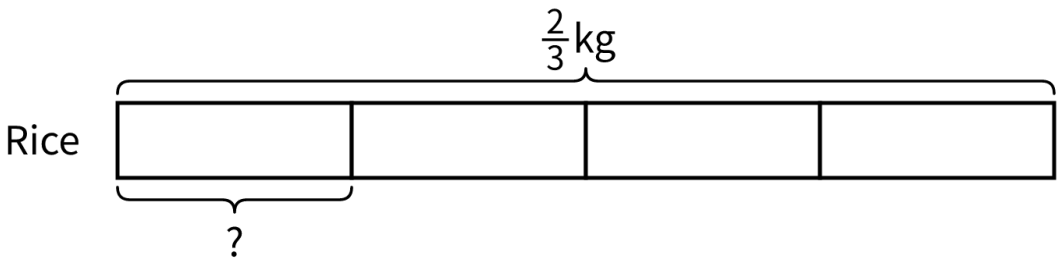
Fractions: Division

INSTRUCTIONS

- 20 questions, 40 marks in total.
- Answer all questions in the spaces provided.
- Show your working in the space below each question.

Set A: Practice

1 $\frac{2}{3}$ kg of rice is shared equally into 4 bags. How much rice is in each bag?

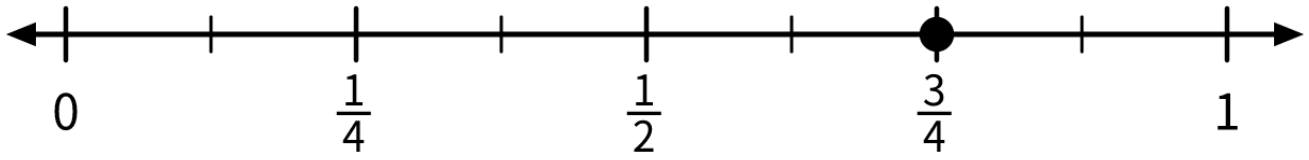


Ans: _____ kg [1]

2 Find $6 \div \frac{1}{3}$.

Ans: _____ [1]

3 The number line shows $\frac{3}{4}$. How many $\frac{1}{8}$ are in $\frac{3}{4}$?



Ans: _____ [1]

4 Without working it out, is $7 \div \frac{3}{4}$ greater than 7 or smaller than 7?

Ans: _____ [1]

5 Fill in the box. $\frac{5}{7} \div 3 = \frac{5}{7} \times \square$ [1]

6 Write $17 \div 5$ as a mixed number.

Ans: _____ [1]

7 Find $\frac{2}{5} \div \frac{3}{10}$. Give your answer as a mixed number.

Ans: _____ [1]

8 Estimate $9\frac{7}{8} \div 2\frac{1}{8}$ by rounding each number to the nearest whole number.

Ans: _____ [1]

Set B: Apply

9 Find the value of each of the following.

a $\frac{5}{8} \div 10$

Ans: _____ [1]

b $12 \div \frac{3}{5}$

Ans: _____ [1]

10 Find $\frac{8}{15} \div \frac{4}{9}$. Give your answer as a mixed number in its simplest form.

Ans: _____ [2]

11 Mei Ling worked out $4 \div \frac{2}{5}$ and wrote $4 \times \frac{2}{5} = \frac{8}{5}$.

a Explain her mistake.

[1]

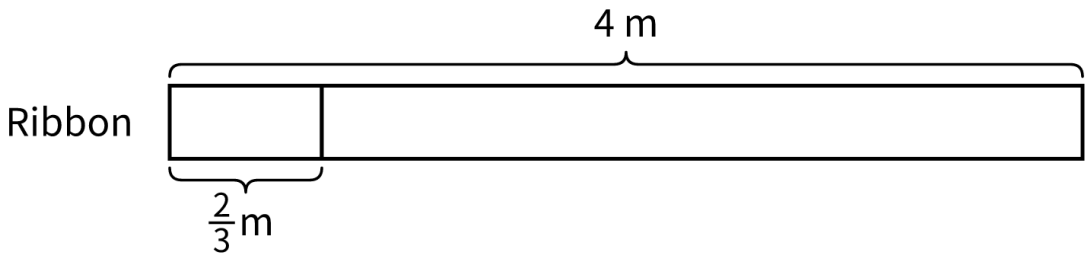
b Write the correct answer.

Ans: _____ [1]

12 Farah poured $\frac{3}{4}$ ℓ of milk equally into 6 cups. How much milk, in ml, was in each cup?

Ans: _____ ml [2]

13 The ribbon is 4 m long. Zhi Xuan cuts it into pieces that are each $\frac{2}{3}$ m long. How many pieces does she get?



Ans: _____ [2]

14 How many times as heavy as the sugar is the flour?

Siti's cake recipe

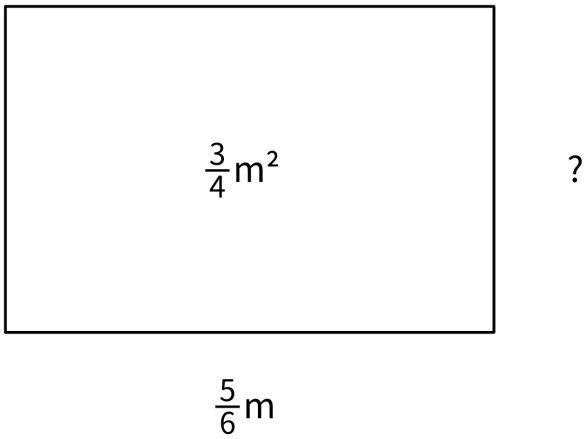
Ingredient	Mass (kg)
Flour	$\frac{3}{4}$
Sugar	$\frac{1}{2}$
Butter	$\frac{1}{4}$

Ans: _____ [2]

15 Find the value of $\frac{5}{6} - \frac{3}{4} \div 6$. Give your answer in simplest form.

Ans: _____ [2]

16 The area of the rectangle is $\frac{3}{4}$ m². Its length is $\frac{5}{6}$ m. Find its breadth.



The figure is not drawn to scale.

Ans: _____ m [2]

Set C: Problem Sums

17 Hui Min had $3\frac{3}{4}$ m of ribbon. She used $\frac{1}{3}$ of it for a gift. She cut the rest into pieces, each $\frac{5}{8}$ m long.

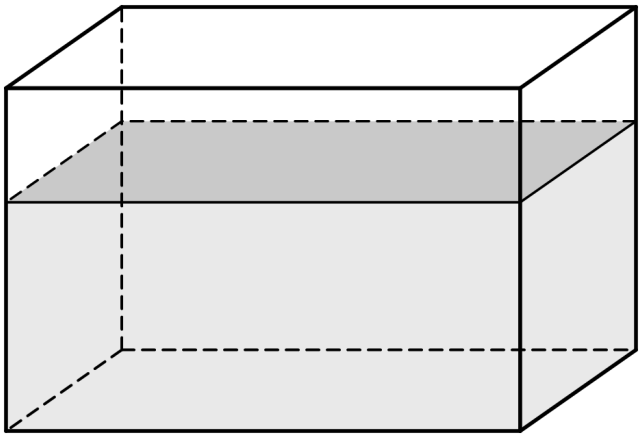
a How many pieces did she get?

Ans: _____ [2]

b She used 3 of the pieces. What length of ribbon had she used altogether, including the gift?

Ans: _____ m [2]

18 The tank is $\frac{2}{3}$ full when it holds 48 ℓ of water.



a Find the capacity of the tank.

Ans: _____ ℓ [1]

b Mr Rao fills the tank completely and pours out $\frac{1}{4}$ of the water. He pours the rest of the water into bottles of $\frac{3}{4}$ ℓ each. How many bottles can he fill completely?

Ans: _____ [3]