

Mixed numbers and improper fractions

Grade 4 | Foundation and Higher | 12 questions, 37 marks

GCSE Maths topic practice



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Name: _____

Date: _____

Score: _____ / 37

1

a. Write $\frac{17}{5}$ as a mixed number.

b. Write $\frac{29}{8}$ as a mixed number.

(2 marks)

Answer _____

2

a. Write $2\frac{3}{4}$ as an improper fraction.

b. Write $5\frac{2}{3}$ as an improper fraction.

(2 marks)

Answer _____

3

Write these numbers in order of size, smallest first.

$$\frac{17}{6} \quad 2\frac{3}{4} \quad \frac{5}{2} \quad 2\frac{2}{3}$$

(3 marks)

Answer _____

4

$$x + 1\frac{2}{5} = 4\frac{1}{10}$$

Work out the value of x. Give your answer as a mixed number.

(2 marks)

Answer _____

5

Work out $3\frac{1}{3} \div 2\frac{1}{2}$

Give your answer as a mixed number in its simplest form.

(3 marks)

Answer _____

6

a. Work out $2\frac{1}{3} + 1\frac{3}{4}$. Give your answer as a mixed number.b. Work out $3\frac{1}{5} - 1\frac{7}{10}$. Give your answer as a mixed number.

(4 marks)

Answer _____

7

Work out $\frac{7}{8} + \frac{11}{12}$. Give your answer as a mixed number.

(3 marks)

Answer _____

8

Show that $2\frac{2}{3} \times 1\frac{7}{8} = 5$

(3 marks)

Answer _____

9

Show that $2\frac{1}{4} \times 1\frac{1}{3} = 3$.

(3 marks)

Answer _____

- 10 A recipe needs $1\frac{3}{4}$ cups of flour. Marcus makes $2\frac{1}{2}$ times the recipe.

How much flour does he need? Give your answer as a mixed number of cups.

(3 marks)

Answer _____

- 11 a. Work out $\frac{7}{8} - \frac{2}{5}$

b. Show that $1\frac{2}{3} \times 2\frac{1}{4} = 3\frac{3}{4}$

(5 marks)

Answer _____

- 12 A ribbon is $6\frac{1}{2}$ m long. It is cut into pieces that are each $\frac{3}{4}$ m long.

How many whole pieces can be cut, and how much ribbon is left over?

(4 marks)

Answer _____

End of questions | Total 37 marks