



Addition/Subtraction/ Multiplication/Division of Fractions & Decimals

Question Paper 1

Level	IGCSE
Subject	Maths (0580)
Exam Board	Cambridge International Examinations (CIE)
Paper Type	Extended
Topic	Number
Sub-Topic	Add/Sub/Multiplication/Division of Fractions & Decimals
Booklet	Question Paper 1

Time Allowed: 60 minutes

Score: /50

Percentage: /100

Grade Boundaries:

A*	A	B	C	D	E	U
>85%	75%	60%	45%	35%	25%	<25%

1 **Without using a calculator**, work out $\frac{6}{7} \div 1\frac{2}{3}$.

Show all your working and give your answer as a fraction in its lowest terms.

..... [3]

2 **Without using a calculator**, work out $2\frac{5}{8} \times \frac{3}{7}$

Show all your working and give your answer as a mixed number in its lowest terms.

..... [3]

- 3 **Without using a calculator**, work out $\frac{1}{12} \times 1\frac{1}{5}$.

Show all your working and give your answer as a fraction in its lowest terms.

..... [2]

- 4 **Without using your calculator**, work out $1\frac{7}{12} + \frac{13}{20}$.

- 5 Without using a calculator, work out $\frac{4}{5} \div \frac{3}{-7}$.

Show all your working and give your answer as a fraction in its lowest terms.

Answer [3]

- 6 Without using a calculator, work out $\frac{4}{5} \div 2\frac{2}{3}$.

Write down all the steps of your working and give your answer as a fraction in its simplest form.

Answer [3]

- 7 **Without using a calculator**, work out $1\frac{7}{8} \div \frac{5}{9}$.

Show all your working and give your answer as a fraction in its lowest terms.

Answer [3]

- 8 Without using your calculator, work out $2\frac{1}{4} - \frac{11}{12}$.

You must show all your working and give your answer as a fraction in its lowest terms.

Answer [3]

9 Calculate $\frac{2.07 - 1.89}{5.71 - 3.92}$.

Answer [1]

10 Write the following as single fractions.

(a) $x + \frac{x}{2}$

Answer(a) [1]

(b) $x + \frac{2}{x}$

Answer(b) [1]

11 Work out $\frac{2}{3} + \frac{1}{6} - \frac{1}{4}$, giving your answer as a fraction in its lowest terms.

Do not use a calculator and show all the steps of your working.

Answer [3]

12 Without using your calculator, work out $2\frac{7}{9} \div \frac{5}{6}$.

Give your answer as a fraction in its lowest terms.
You must show each step of your working.

Answer [4]

13 Without using a calculator, work out $\frac{1}{4} + \frac{1}{6}$.

Write down all the steps in your working and give your answer as a fraction in its simplest form.

Answer [2]

- 14 **Without using a calculator**, work out $1\frac{1}{6} \div \frac{7}{8}$.
Show all your working and give your answer as a fraction in its lowest terms.

Answer [3]

- 15 Without using your calculator, work out $\frac{5}{6} - \left(\frac{1}{2} \times 1\frac{1}{2}\right)$.
Write down all the steps of your working.

Answer [3]

16 Without using a calculator, work out $1\frac{1}{4} - \frac{7}{9}$.

Write down all the steps in your working.

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Answer [3]

19 Do not use a calculator in this question and show all the steps of your working.

Give each answer as a fraction in its lowest terms.

Work out.

(a) $\frac{3}{4} - \frac{1}{12}$

Answer(a) [2]

(b) $2\frac{1}{2} \times \frac{4}{25}$

Answer(b) [2]

18 Show that $\frac{1}{2} \div \frac{3}{16} = 8$.

Do not use a calculator and show all the steps of your working.

Answer

[2]