

Addition/Subtraction/ Multiplication/Division of Fractions & Decimals

Question Paper 1

Level	IGCSE
Subject	Maths (0582)
Exam Board	Cambridge International Examinations (CIE)
Paper Type	Extended
Topic	Number
Sub-Topic	Add/Sub/Multiplication/Division of Fractions & Deci
Booklet	Question Paper 1

Time Allowed: 60 minutes

Score: 50 /50

Percentage: /100

Grade Boundaries:

A*	A	В	С	D	Е	U
>85%	75%	60%	45%	35%	25%	<25%

1	Without using a calculator, work out	$\frac{6}{7} \div$	$1\frac{2}{3}$
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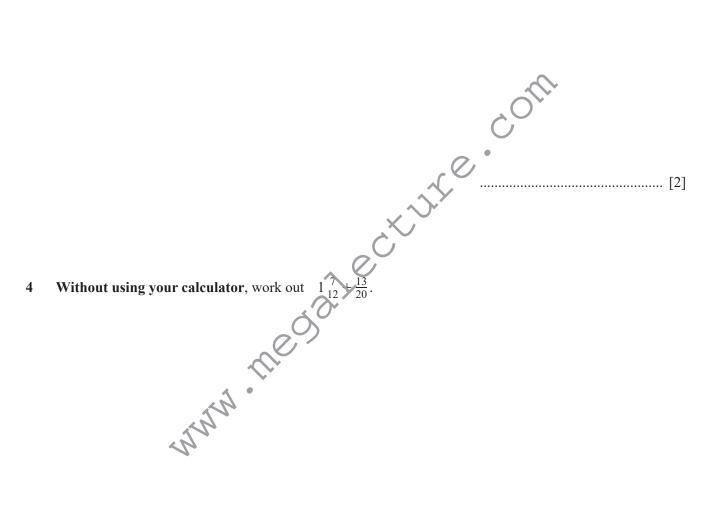
Show all your working and give your answer as a fraction in its lowest terms.



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.

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

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



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		4	3	
5	Without using a calculator, work out	\$.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.

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.



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]

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9	Calculate	2.07 - 1.89
9	Calculate	5 71 – 3 92



10 Write the following as single fractions.

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

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

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.

12	Without using your calculator, work out	$2\frac{7}{1} \cdot \frac{5}{1}$
14	without using your calculator, work out	4 9 · 6.

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



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.



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14	Without using a calculator, work out	$1\frac{1}{6}$	$\div \frac{7}{8}$	•			
	Show all your working and give your ans	w ĕ r a	ıs ă	fraction	in its	lowest 1	terms



15 Without using your calculator, work out $\frac{5}{6} - (\frac{1}{2} \times 1\frac{1}{2})$.

Write down all the steps of your working.

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

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