

E1.8

Addition/Subtraction/Multiplication/Division of Fractions & Decimals

Question Paper

Level	IGCSE
Subject	Maths (0580)
Exam Board	Cambridge International Examinations (CIE)
Level	Core
Topic	E1. Number
Sub-Topic	E1.8 Addition/Subtraction/Multiplication/Division of Fractions & Decimals
Booklet	Question Paper

Time Allowed: 24 minutes

Score: /20

Percentage: /100

Grade Boundaries:

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

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- 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 Calculate.

$$\frac{3.07 + 2^4}{5.03 - 1.79}$$

..... [1]

- 3 **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]

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4. **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]

5. In each part, fill in the missing number to make a correct statement.

(a) $(-6 + 11) \times \dots = -20$ [1]

(b) $\frac{7}{8} = \frac{\dots}{176}$ [1]

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

You must show all your working and give your answer as a mixed number in its simplest form.

..... [3]

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7 **Without using a calculator**, work out $1\frac{4}{5} \div \frac{3}{7}$.

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

Answer [3]

8 (a) Write 82 600 in standard form.

Answer(a) [1]

(b) Calculate $\frac{6.02 \times 10^8 - 5 \times 10^6}{3 \times 10^6}$.

Give your answer in standard form.

Answer(b) [2]