

**SMART EXAM RESOURCES**  
**SUBJECT: CAMBRIDGE INTERNATIONAL MATH**  
**TOPIC: NUMBERS**  
**SUB-TOPIC: FRACTIONS**  
**SET-2-QP-MS**

**1** Work out  $\frac{3}{4} \div 2\frac{1}{2}$ .

Give your answer as a fraction in its lowest terms.

..... [3]

## MARK SCHEME:

$\frac{3}{10}$	<b>3</b>	<b>M2</b> for $\frac{3}{4} \times \frac{2}{5}$ or $\frac{15}{20} \div \frac{50}{20}$ oe or <b>M1</b> for $\frac{5}{2}$ or $\frac{2}{5}$ seen
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2 Work out  $4\frac{1}{4} - 1\frac{5}{6}$ .

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

..... [3]

## MARK SCHEME:

$2\frac{5}{12}$	<b>3</b>	<b>B2</b> for equivalent mixed number or improper fraction or <b>B1</b> for $4\frac{3}{12} - 1\frac{10}{12}$ oe or $\frac{51}{12} - \frac{22}{12}$ oe
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3 Work out  $2\frac{1}{2} \div 3\frac{1}{4}$ .

Give your answer as a fraction in its simplest form.

..... [3]

## MARK SCHEME:

$\frac{10}{13}$ final answer	<b>3</b>	<b>B2</b> for equivalent fraction or $\frac{5}{2} \times \frac{4}{13}$ or $\frac{10}{4} \div \frac{13}{4}$ or <b>B1</b> for $\frac{5}{2}$ and $\frac{13}{4}$ soi
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4

Work out  $\frac{3.6}{0.004}$ .

..... [1]

**MARK SCHEME:**

900	1
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**5**

(a) Write the fraction  $\frac{15}{40}$  in its lowest terms.

..... [1]

(b) Work out.

$$\frac{2}{3} + \frac{2}{9}$$

..... [2]

## MARK SCHEME:

(a)	$\frac{3}{8}$ final answer	1	
(b)	$\frac{8}{9}$	2	<b>M1</b> for both fractions correct with same common denominator

6

Work out  $\frac{7}{12} - \frac{1}{3}$ .

Give your answer in its lowest terms.

*Answer* ..... [2]

## MARK SCHEME:

$\frac{1}{4}$	<b>2</b>	<b>M1</b> for $\frac{7}{12} - \frac{4}{12}$ oe or better e.g. $\frac{3}{12}$
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7 Work out  $\frac{8}{9} - \frac{7}{18}$ , giving your answer in its lowest terms.

..... [3]

## MARK SCHEME:

$\frac{1}{2}$	<b>3</b>	<b>B2</b> for $\frac{9}{18}$ or <b>B1</b> for $\frac{16}{18}$ oe
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8

Work out.

$$\frac{3}{7} \div \frac{4}{5}$$

..... [2]

**MARK SCHEME:**

$$\left| \frac{15}{28} \right|$$

$$2 \left| \mathbf{M1} \text{ for } \frac{3}{7} \times \frac{5}{4} \right|$$