

SMART EXAM RESOURCES
SUBJECT: CAMBRIDGE INTERNATIONAL MATH
TOPIC: NUMBERS
SUB-TOPIC: FRACTIONS
SET-1-QP-MS

1

Work out.

(a) $\frac{8}{0.04}$

..... [1]

(b) $\frac{4}{5} - \frac{1}{4}$

..... [2]

MARK SCHEME:

(a)	200	1	
(b)	$\frac{11}{20}$ oe	2	M1 for $\frac{a}{20} - \frac{b}{20}$ with $a = 16$ or $b = 5$

2 Work out $1\frac{1}{2} + 3\frac{1}{3}$.

..... [2]

MARK SCHEME:

$4\frac{5}{6}$	2	M1 for $4 + \frac{3}{6} + \frac{2}{6}$ or $\frac{9}{6} + \frac{20}{6}$ oe
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3 (a) Write the fraction $\frac{16}{60}$ in its lowest terms.

..... [1]

(b) Work out.

$$\frac{4}{11} + \frac{5}{11}$$

..... [1]

MARK SCHEME:

(a)	$\frac{4}{15}$ cao	1	
(b)	$\frac{9}{11}$ oe	1	

4

(a) Write 0.68 as a fraction in its lowest terms.

..... [1]

(b) Work out $\frac{3}{7} \div \frac{8}{9}$.

..... [2]

MARK SCHEME:

(a)	$\frac{17}{25}$	1	
(b)	$\frac{27}{56}$	2	M1 for $\frac{3}{7} \times \frac{9}{8}$ oe

5

Work out.

$$4\frac{2}{5} - 1\frac{2}{3}$$

..... [3]

MARK SCHEME:

$\frac{41}{15}$ or $2\frac{11}{15}$	3	M2 for $\frac{66}{15} - \frac{25}{15}$ or $3\frac{6-10}{15}$ oe or M1 for denominator of $15k$
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6

Work out.

$$\frac{4}{9} - \frac{1}{6}$$

..... [2]

MARK SCHEME:

$\frac{5}{18}$ or equiv fraction	2	M1 for $\frac{8}{18}$ or $\frac{3}{18}$ oe
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7

Work out $\frac{4}{5} \div 1\frac{1}{2}$.

..... [2]

MARK SCHEME:

$\frac{8}{15}$	2	M1 for $\left[\frac{4}{5} \times \frac{2}{3}\right]$ or for $\frac{8}{10} \div \frac{15}{10}$
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8

Work out.

$$5\frac{2}{5} \times 1\frac{2}{3}$$

..... [3]

MARK SCHEME:

9	3	M2 for $\frac{27}{5} \times \frac{5}{3}$ oe or B1 for $\frac{27}{5}$ or $\frac{5}{3}$
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