Non-Calculator

Q1.

(a)   Work out $9174 ÷ 11$

Answer _____

(b)   Work out $\dfrac{5}{6} + \dfrac{3}{7}$

Give your answer as a mixed number.

_____

_____

_____

_____

_____

Answer _____

(3)
(Total 5 marks)

Q2.

Work out $\dfrac{5}{6} × \dfrac{3}{20}$

Give your answer as a fraction in its simplest form.

_____

_____

_____

_____

Answer _____

(Total 3 marks)

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Q3.

Two positive fractions add up to $\frac{1}{3}$

Each fraction has a **different** value.

What could the fractions be?
Give **one** possible answer.

_____

_____

_____

Answer _____ + _____ = $\frac{1}{3}$

(Total 3 marks)

Q4.

Work out $2\frac{1}{8} - \frac{2}{3}$

_____

_____

_____

_____

Answer _____

(Total 3 marks)

Q5.

Kerry needs $\frac{2}{3}$ of a tank of petrol to drive home.

She has $\frac{5}{8}$ of a tank of petrol.

Does she have enough petrol to drive home?
You **must** show your working.

_____

_____

_____

_____

_____

(Total 2 marks)

Q6.

(a) Work out $\frac{1}{3} \times \frac{1}{4}$

_____

_____

Answer _____

(1)

(b) What fraction is half way between $\frac{1}{4}$ and $\frac{1}{2}$?

_____

_____

_____

Answer _____

(3)
(Total 4 marks)

Q7.

(a) Write $2\frac{5}{7}$ as an improper fraction.

Answer _____

(1)

(b) Circle the fraction that is equivalent to $\frac{2}{3}$

$\frac{4}{9}$ $\qquad\qquad$ $\frac{7}{8}$ $\qquad\qquad$ $\frac{15}{20}$ $\qquad\qquad$ $\frac{16}{24}$

(1)

(c) Put the numbers 2, 4, 5 and 9 in the boxes to make the fraction equal to the decimal.

$$\frac{\boxed{}}{\boxed{}} = \boxed{} \cdot \boxed{}$$

(1)
(Total 3 marks)

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Q8.

Circle the fraction that is **not** equivalent to $\frac{3}{8}$

$\frac{6}{16}$ $\qquad\qquad$ $\frac{9}{24}$ $\qquad\qquad$ $\frac{12}{32}$ $\qquad\qquad$ $\frac{15}{35}$

(Total 1 mark)

Q9.

Work out $\qquad 2\frac{3}{4} \times 1\frac{7}{9}$

Give your answer as a mixed number.

_____

_____

_____

_____

_____

_____

Answer _____

(Total 3 marks)

Q10.

Work out $\quad 2\frac{3}{4} \times 1\frac{5}{7}$

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

_____

_____

_____

_____

_____

Answer _____

(Total 3 marks)

Q11.

(a) Work out $\dfrac{1}{4} + \dfrac{7}{10}$

Give your answer as a fraction.

_____

_____

_____

_____

_____

Answer _____

(2)

(b) Work out $\dfrac{3}{5} \times \dfrac{7}{2}$

Give your answer as a mixed number.

_____

_____

_____

_____

_____

Answer _____

(2)
(Total 4 marks)

Q12.

$\dfrac{3}{5}$ of a number is 162

Work out the number.

_____

_____

_____

_____

_____

Answer _____

(Total 2 marks)

Calculator

Q13.

What fraction is half way between $\dfrac{1}{4}$ and $\dfrac{1}{8}$?

Give your answer as a fraction in its simplest form.

_____

_____

_____

_____

Answer _____

(Total 3 marks)

Q14.

Circle the fraction **greater** than $\dfrac{3}{10}$

$\dfrac{1}{3}$ $\qquad\qquad$ $\dfrac{3}{11}$ $\qquad\qquad$ $\dfrac{4}{15}$ $\qquad\qquad$ $\dfrac{29}{100}$

(Total 1 mark)