Surname	
Other Names	
Candidate's Signature	

GCSE 9 - 1 Questions

Fractions 1

Calculator Not Allowed

INSTRUCTIONS TO CANDIDATES

Write your name in the space provided.

Write your answers in the spaces provided in this question paper.

Answer ALL questions.

Any working should be clearly shown in the spaces provided since marks may be awarded for partially correct solutions.

Total Marks :

1) Insert a number in the box to make the two fractions equivalent.

$$\frac{5}{7} = \frac{\square}{21}$$

[1]

2) Which of the following fractions is nearest to $\frac{3}{4}$?

Show your working.

$$\frac{7}{10}, \quad \frac{17}{20}, \quad \frac{23}{30}, \quad \frac{29}{40}$$

Answer _____ [2]

3) **Showing all your working**, write $\frac{1}{2}$, $\frac{5}{8}$, and $\frac{3}{4}$ in order, starting with the largest. [3]

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4) *(a)* Write $\frac{3}{4}$, $\frac{9}{10}$, and $\frac{5}{8}$ in **descending order**.
Show all your working. [3]

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(b) Write 40p as a fraction of £2 in its simplest form. [2]

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5) $\dfrac{3}{4} - \dfrac{5}{12}$

Answer _____ [2]

6) Simplify $\dfrac{4}{7} + \dfrac{1}{14}$.   [2]

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7) In a competition a player gains 1 point for a win, $\frac{1}{2}$ a point for a draw and no points for a loss. Each player plays 10 games.

Calculate the total number of points gained by a player who loses 2 games, draws 5 games and wins all the rest.

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[3]

8) Work out $5\frac{3}{4} - 2\frac{5}{6}$

Give your answer as a mixed number.

Answer _____ [3]

9) Calculate $3\frac{1}{4} - \frac{3}{5}$

Answer _____ [2]

10) Calculate $4\frac{1}{5} \times 1\frac{1}{7}$

Give your answer as a mixed number in its lowest terms.

Answer _____ [3]

11) Calculate $2\frac{1}{3} \div 1\frac{1}{4}$

Give your answer as a mixed number.

Answer _____ [3]

12) Last week Shona read $\frac{3}{8}$ of her library book. This week she read $\frac{2}{3}$ **of the rest** of the book. What fraction of the book has she still to read?

Answer _____ [3]