1. Work out $\frac{2}{5}+\frac{1}{7}$

$\frac{2\times7}{5\times7}+\frac{1\times5}{7\times5}$

$\frac{14}{35}+\frac{5}{35}$

$\frac{19}{35}$

.....

(Total 2 marks)

2. Work out $\frac{2}{3}+\frac{1}{5}$

$\frac{2\times5}{3\times5}+\frac{1\times3}{5\times3}$

$\frac{10}{15}+\frac{3}{15}$

$\frac{13}{15}$

.....

(Total 2 marks)

3. Work out $\frac{11}{12}-\frac{5}{6}$

$\frac{11}{12}-\frac{5\times2}{6\times2}$

$\frac{11}{12}-\frac{10}{12}$

$\frac{1}{12}$

.....

(Total 2 marks)

4. (a) Work out $\frac{1}{3}+\frac{1}{12}$

$\frac{1}{3} \times \frac{4}{4} + \frac{1}{12}$

$\frac{4}{12} + \frac{1}{12}$

$\frac{5}{12}$

.....

(2)

(b) Work out $\frac{3}{4}\times\frac{1}{5}$

$\frac{3}{4} \rightarrow \times \frac{1}{5} \rightarrow$

$\frac{3}{20}$

.....

(1)

(Total 3 marks)

5. Work out the value of $\frac{2}{3} \times \frac{3}{4}$

Give your answer as a fraction in its simplest form.

$\frac{6}{12} = \frac{1}{2}$

$\frac{1}{2}$

.....

(Total 2 marks)

6. Work out $\frac{60}{1} \times \frac{2}{3}$

$\frac{120}{3}$

40

(Total 2 marks)

7. (a) Work out $1 - \left(\frac{1}{2} + \frac{1}{6}\right)$

$1 - \left(\frac{1 \times 3}{2 \times 3} + \frac{1}{6}\right)$

$1 - \left(\frac{3}{6} + \frac{1}{6}\right)$

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

$\frac{2}{6}$ $\frac{1}{3}$

(3)

(b) Work out $12\frac{1}{2} \div \frac{5}{8}$

$\frac{25}{2} \div \frac{5}{8}$

$\frac{25}{2} \times \frac{8}{5} = \frac{200}{10}$ 20

(3)

(Total 6 marks)

8. (a) Work out $\frac{2}{5}+\frac{3}{8}$

$\frac{2}{5}\times\frac{8}{8} + \frac{3}{8}\times\frac{5}{5}$ $\quad \frac{16}{40} + \frac{15}{40}$ $\quad \frac{31}{40}$

.....

(2)

(b) Work out $5\frac{2}{3}-2\frac{3}{4}$

$\frac{17}{3}\times\frac{4}{4} - \frac{11}{4}\times\frac{3}{3}$

$\frac{68}{12} - \frac{33}{12} = \frac{35}{12}$

$\frac{35}{12}$ or $2\frac{11}{12}$

.....

(3)

(Total 5 marks)

9. (a) Work out $\frac{1}{3}+\frac{3}{5}$

$\frac{1}{3}\times\frac{5}{5} + \frac{3}{5}\times\frac{3}{3}$ $\quad \frac{5}{15} + \frac{9}{15}$ $\quad \frac{14}{15}$

.....

(2)

(b) Work out $2\frac{1}{4}\div\frac{3}{5}$

$\frac{9}{4} \div \frac{3}{5}$

$\frac{9}{4} \times \frac{5}{3} = \frac{45}{12} = \frac{15}{4}$

$\frac{15}{4}$ or $3\frac{3}{4}$

.....

(3)

(Total 5 marks)

10. Work out

$3\frac{3}{4} \times 2\frac{2}{3}$

$\frac{\cancel{15}^{5}}{\cancel{4}_{1}} \times \frac{\cancel{8}^{2}}{\cancel{3}_{1}}$

10

(Total 3 marks)

11. (a) Work out $1\frac{7}{8} \times 5\frac{1}{3}$

$\frac{\cancel{15}^{5}}{\cancel{8}_{1}} \times \frac{\cancel{16}^{2}}{\cancel{3}_{1}}$

10

(2)

(b) Work out $3\frac{1}{2} \div 2\frac{4}{5}$

$\frac{7}{2} \div \frac{14}{5}$

$\frac{\cancel{7}^{1}}{2} \times \frac{5}{\cancel{14}_{2}} = \frac{5}{4}$

$\frac{5}{4}$ or $1\frac{1}{4}$

(2)

(Total 4 marks)

12. (a) Work out the value of $\frac{2}{3} \times \frac{3}{4}$

Give your answer as a fraction in its simplest form.

$\frac{\cancel{2}^{1}}{\cancel{3}_{1}} \times \frac{\cancel{3}^{1}}{\cancel{4}_{2}}$

$\frac{1}{2}$

.....

(2)

(b) Work out the value of $1\frac{2}{3} + 2\frac{3}{4}$

Give your answer as a fraction in its simplest form.

$\frac{5^{\times 4}}{3_{\times 4}} + \frac{11^{\times 3}}{4_{\times 3}}$

$\frac{20}{12} + \frac{33}{12}$

$\frac{53}{12}$ or $4\frac{5}{12}$

.....

(3)

(Total 5 marks)

13. Work out $5\frac{2}{3} - 2\frac{3}{4}$

$\frac{17^{\times 4}}{3_{\times 4}} - \frac{11^{\times 3}}{4_{\times 3}}$

$\frac{68}{12} - \frac{33}{12} = \frac{35}{12}$

$\frac{35}{12}$ or $2\frac{11}{12}$

.....

(Total 3 marks)

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

$\frac{9}{2} \times \frac{5}{5} + \frac{7}{5} \times \frac{2}{2}$

$\frac{45}{10} + \frac{14}{10}$

$5\frac{9}{10}$

$\frac{59}{10}$ or $5\frac{9}{10}$

(Total 3 marks)

15. Work out $3\frac{2}{5} - 1\frac{3}{4}$

$\frac{17}{5} \times \frac{4}{4} - \frac{7}{4} \times \frac{5}{5}$

$\frac{68}{20} - \frac{35}{20}$

$\frac{33}{20}$ or $1\frac{13}{20}$

(Total 3 marks)