

4 Show that $2\frac{4}{7} \times 3\frac{1}{9} = 8$

$$2\frac{4}{7} = \frac{18}{7} \quad 3\frac{1}{9} = \frac{28}{9}$$

$$\frac{18}{7} \times \frac{28}{9} = \frac{504}{63}$$

$$= 8$$

(Total for Question 4 is 3 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



1 Show that $1\frac{5}{7} \times 2\frac{3}{16} = 3\frac{3}{4}$

$$1\frac{5}{7} = \frac{12}{7} \quad 2\frac{3}{16} = \frac{35}{16}$$

$$\frac{12}{7} \times \frac{35}{16} = \frac{420}{112}$$

$$= \frac{15}{4}$$

$$= 3\frac{3}{4}$$

(Total for Question 1 is 3 marks)



- 1 Show that $3\frac{1}{5} \times 1\frac{5}{6} = 5\frac{13}{15}$

$$3\frac{1}{5} = \frac{16}{5} \quad 1\frac{5}{6} = \frac{11}{6}$$

$$\frac{16}{5} \times \frac{11}{6} = \frac{176}{30}$$

$$= \frac{88}{15}$$

$$= 5\frac{13}{15}$$

(Total for Question 1 is 3 marks)



1 Show that $3\frac{3}{4} \times \frac{7}{9} = 2\frac{11}{12}$

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

$$\frac{15}{4} \times \frac{7}{9} = \frac{105}{36}$$

$$= \frac{35}{12}$$

$$= 2\frac{11}{12}$$

(Total for Question 1 is 3 marks)



2 Show that $3\frac{1}{5} \times 2\frac{5}{8} = 8\frac{2}{5}$

$$3\frac{1}{5} = \frac{16}{5} \quad 2\frac{5}{8} = \frac{21}{8}$$

$$\begin{aligned} \frac{16}{5} \times \frac{21}{8} &= \frac{336}{40} \\ &= \frac{42}{5} \\ &= 8\frac{2}{5} \end{aligned}$$

(Total for Question 2 is 3 marks)



4 Show that $2\frac{1}{3} \div 5\frac{1}{4} = \frac{4}{9}$

$$2\frac{1}{3} = \frac{7}{3}$$

$$5\frac{1}{4} = \frac{21}{4}$$

$$\frac{7}{3} \div \frac{21}{4}$$

KFC

$$\frac{7}{3} \times \frac{4}{21}$$

$$= \frac{28}{63}$$

$$= \frac{4}{9}$$

(Total for Question 4 is 3 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



1 Show that $3\frac{5}{7} \div 1\frac{5}{8} = 2\frac{2}{7}$

$$3\frac{5}{7} = \frac{26}{7} \quad 1\frac{5}{8} = \frac{13}{8}$$

$$\frac{26}{7} \div \frac{13}{8}$$

kfc

$$\frac{26}{7} \times \frac{8}{13} = \frac{208}{91}$$

$$= \frac{16}{7}$$

$$= 2\frac{2}{7}$$

(Total for Question 1 is 3 marks)



6 Show that $3\frac{3}{7} \div 2\frac{2}{3} = 1\frac{2}{7}$

$$3\frac{3}{7} = \frac{24}{7} \quad 2\frac{2}{3} = \frac{8}{3}$$

$$\frac{24}{7} \div \frac{8}{3}$$

kfc

$$\begin{aligned} \frac{24}{7} \times \frac{3}{8} &= \frac{72}{56} \\ &= \frac{9}{7} \\ &= 1\frac{2}{7} \end{aligned}$$

(Total for Question 6 is 3 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

1 Show that $4\frac{2}{3} \div 1\frac{1}{9} = 4\frac{1}{5}$

$$4\frac{2}{3} = \frac{14}{3} \quad 1\frac{1}{9} = \frac{10}{9}$$

$$\frac{14}{3} \div \frac{10}{9}$$

kfc

$$\frac{14}{3} \times \frac{9}{10} = \frac{126}{30}$$

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

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

(Total for Question 1 is 3 marks)



1 Show that $4\frac{2}{3} \div 1\frac{1}{5} = 3\frac{8}{9}$

$$4\frac{2}{3} = \frac{14}{3} \quad 1\frac{1}{5} = \frac{6}{5}$$

$$\frac{14}{3} \div \frac{6}{5}$$

$$\text{KFC} \quad \frac{14}{3} \times \frac{5}{6} = \frac{70}{18}$$

$$= \frac{35}{9}$$

$$= 3\frac{8}{9}$$

(Total for Question 1 is 3 marks)



1 Show that $4\frac{2}{3} \div 1\frac{5}{6} = 2\frac{6}{11}$

$$4\frac{2}{3} = \frac{14}{3} \quad 1\frac{5}{6} = \frac{11}{6}$$

$$\frac{14}{3} \div \frac{11}{6}$$

$$\begin{aligned} \text{kfc} \quad \frac{14}{3} \times \frac{6}{11} &= \frac{84}{33} \\ &= \frac{28}{11} \\ &= 2\frac{6}{11} \end{aligned}$$

(Total for Question 1 is 3 marks)



P 7 2 4 4 4 A 0 3 3 2

2 Show that $6\frac{3}{4} \div 2\frac{4}{7} = 2\frac{5}{8}$

$$6\frac{3}{4} = \frac{27}{4} \quad 2\frac{4}{7} = \frac{18}{7}$$

$$\frac{27}{4} \div \frac{18}{7}$$

$$\begin{aligned} \text{kfc} \quad \frac{27}{4} \times \frac{7}{18} &= \frac{189}{72} \\ &= \frac{21}{8} \\ &= 2\frac{5}{8} \end{aligned}$$

(Total for Question 2 is 3 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



2 Show that $2\frac{4}{7} \div 1\frac{1}{8} = 2\frac{2}{7}$

$$2\frac{4}{7} = \frac{18}{7} \quad 1\frac{1}{8} = \frac{9}{8}$$

$$\frac{18}{7} \div \frac{9}{8}$$

kfc $\frac{18}{7} \times \frac{8}{9} = \frac{144}{63}$

$$= \frac{16}{7}$$

$$= 2\frac{2}{7}$$

(Total for Question 2 is 3 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



6 Show that $2\frac{2}{3} + 3\frac{3}{4} = 6\frac{5}{12}$

$$2\frac{2}{3} = \frac{8}{3} \quad 3\frac{3}{4} = \frac{15}{4}$$

$$\frac{8}{3} + \frac{15}{4}$$

$$\frac{8}{3} = \frac{32}{12}$$

$\times 4$

$$\frac{15}{4} = \frac{45}{12}$$

$\times 3$

$$\frac{32}{12} + \frac{45}{12} = \frac{77}{12}$$
$$= 6\frac{5}{12}$$

(Total for Question 6 is 3 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA



4 Show that $3\frac{4}{7} - 1\frac{5}{8} = 1\frac{53}{56}$

$$3\frac{4}{7} = \frac{25}{7} \quad 1\frac{5}{8} = \frac{13}{8}$$

$$\frac{25}{7} - \frac{13}{8}$$

$$\frac{25}{7} = \frac{200}{56} \quad \times 8$$

$$\frac{13}{8} = \frac{91}{56} \quad \times 7$$

$$\begin{aligned} \frac{200}{56} - \frac{91}{56} &= \frac{109}{56} \\ &= 1\frac{53}{56} \end{aligned}$$

(Total for Question 4 is 3 marks)



2 Show that $5\frac{2}{3} - 2\frac{3}{4} = 2\frac{11}{12}$

$$5\frac{2}{3} = \frac{17}{3} \quad 2\frac{3}{4} = \frac{11}{4}$$

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

$$\frac{17}{3} = \frac{68}{12} \quad \times 4$$

$$\frac{11}{4} = \frac{33}{12} \quad \times 3$$

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

(Total for Question 2 is 3 marks)

$$= 2\frac{11}{12}$$



4 Show that $5\frac{1}{3} - 2\frac{6}{7} = 2\frac{10}{21}$

$$5\frac{1}{3} = \frac{16}{3} \quad 2\frac{6}{7} = \frac{20}{7}$$

$$\frac{16}{3} - \frac{20}{7}$$

$$\frac{16}{3} = \frac{112}{21}$$

x7

$$\frac{20}{7} = \frac{60}{21}$$

x3

$$\frac{112}{21} - \frac{60}{21} = \frac{52}{21}$$

$$= 2\frac{10}{21}$$

(Total for Question 4 is 3 marks)



1 Show that $1\frac{2}{3} + 2\frac{3}{4} = 4\frac{5}{12}$

$$1\frac{2}{3} = \frac{5}{3} \quad 2\frac{3}{4} = \frac{11}{4}$$

$$\frac{5}{3} + \frac{11}{4}$$

$$\frac{5}{3} = \frac{20}{12}$$

x4

$$\frac{11}{4} = \frac{33}{12}$$

x3

$$\frac{20}{12} + \frac{33}{12} = \frac{53}{12}$$

$$= 4\frac{5}{12}$$

(Total for Question 1 is 3 marks)



3 Show that $4\frac{2}{3} + 3\frac{4}{5} = 8\frac{7}{15}$

$$4\frac{2}{3} = \frac{14}{3} \quad 3\frac{4}{5} = \frac{19}{5}$$

$$\frac{14}{3} + \frac{19}{5}$$

$$\frac{14}{3} = \frac{70}{15}$$

x5

$$\frac{19}{5} = \frac{57}{15}$$

x3

$$\frac{70}{15} + \frac{57}{15} = \frac{127}{15}$$

$$= 8\frac{7}{15}$$

(Total for Question 3 is 3 marks)

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

DO NOT WRITE IN THIS AREA

