To know how to use the four operations when calculating with fractions - Questions

1. Complete these calculations. Prove your answers are correct.

a. _____ $+ \frac{2}{5} = 1\frac{1}{15}$

b. _____ $- \frac{1}{4} = \frac{7}{12}$

c. _____ $+ \frac{1}{4} = 1\frac{1}{12}$

d. $\frac{4}{5} +$ _____ $= 1\frac{7}{15}$

e. $\frac{4}{5} -$ _____ $= \frac{2}{15}$

f. $\frac{3}{5}$ x _____ $= 1\frac{4}{5}$

g. $\frac{4}{7}$ x _____ $= 2\frac{6}{7}$

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2. Complete these calculations.

a. $4\frac{5}{6} - \frac{1}{2} + 2 =$

b. $4\frac{5}{6} - (\frac{1}{2} + 2) =$

c. $4\frac{1}{5} + \frac{2}{3} \div 2 =$

d. $(4\frac{1}{5} + \frac{2}{3}) \div 2 =$

e. $4\frac{1}{5} + \frac{2}{3}$ x $2 =$

f. $(4\frac{1}{5} + \frac{2}{3})$ x $2 =$

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3. Solve these calculations.

a. $1\frac{1}{4} + \frac{2}{3}$ x $4 =$

b. $4\frac{2}{5} - \frac{1}{3} \div 2 =$

c. $4\frac{5}{7} - \frac{1}{4} + 3 =$

Add brackets to these calculations so they have a different answer to the calculations above.

Solve the calculations you have created.

d. $1\frac{1}{4} + \frac{2}{3}$ x $4 =$

e. $4\frac{2}{5} - \frac{1}{3} \div 2 =$

f. $4\frac{5}{7} - \frac{1}{4} + 3 =$

To know how to use the four operations when calculating with fractions - Answers

Question No.	Question	Answer
1	a. to g. Complete these calculations. Prove your answers are correct.	a. ⅔ b. ⅚ c. ⅚ d. ⅔ e. ⅔ f. 3 g. 5
2	a. to f. Complete these calculations.	a. 6 ⅓ b. 2 ⅓ c. 4 $\frac{8}{15}$ d. 2 $\frac{13}{30}$ e. 5 $\frac{8}{15}$ f. 9 $\frac{11}{15}$
3	a. to c. Solve these calculations. d. to f. Add brackets to these calculations so they have a different answer to the calculations above. Solve the calculations you have created.	a. 3 $\frac{11}{12}$ b. 4 $\frac{7}{30}$ c. 7 $\frac{13}{28}$ d. (1 ¼ + ⅔) x 4 = 7 ⅔ e. (4 ⅖ – ⅓) ÷ 2 = 2 $\frac{1}{30}$ f. 4 $\frac{5}{7}$ – (¼ + 3) = 1 $\frac{13}{28}$