Work out $\dfrac{3}{5} + \dfrac{1}{10}$

$$= \frac{6}{10} + \frac{1}{10}$$

$$= \frac{7}{10}$$

Work out $\dfrac{3}{5} - \dfrac{1}{10}$

$$= \frac{6}{10} - \frac{1}{10}$$

$$= \frac{5}{10}$$

Which fraction is the largest?

$$\frac{7}{8} \; or \; \frac{8}{7}$$

$$\frac{7}{8} = \frac{49}{56} \qquad \frac{8}{7} = \frac{64}{56}$$

49 is bigger than 64 so $\frac{7}{8}$ is bigger.

What is $\dfrac{3}{60}$ in its simplest form?

$$\frac{1}{20}$$

Write $4\frac{2}{3}$ as an improper fraction.

$$= \frac{12}{3} + \frac{2}{3} = \frac{14}{3}$$

What is 30 as a fraction of 135. Give your answer in its simplest form.

$$= \frac{30}{135}$$

$$= \frac{6}{27}$$

$$= \frac{2}{9}$$

Calculate $\dfrac{3}{5} \times \dfrac{4}{9}$
Give your answer in it's simplest form.

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

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

Calculate $2\frac{1}{2} + 3\frac{3}{4}$

$$= \frac{5}{2} + \frac{15}{4}$$

$$= \frac{10}{4} + \frac{15}{4}$$

$$= \frac{10}{4} + \frac{15}{4}$$

$$= \frac{25}{4}$$

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

Calculate $2\frac{1}{2} \div \dfrac{3}{4}$
Give your answer as a mixed number in it's simplest form.

$$= \frac{5}{2} \div \frac{3}{4}$$

$$= \frac{5}{2} \times \frac{4}{3}$$

$$= \frac{20}{6}$$

$$= \frac{10}{3}$$

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

On Monday, $\frac{1}{4}$ of all tickets to the school concert have been sold.

On Tuesday, a further $\frac{3}{5}$ of the original number of tickets were sold.

What fraction of tickets were still available to be sold on Wednesday?

$$\frac{1}{4} + \frac{3}{5} = \frac{5}{20} + \frac{12}{20} = \frac{17}{20}$$

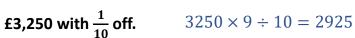$\frac{3}{20}$ of tickets were still available to be sold.

Tommy and Gemma are friends and have agreed to buy a house together. The price of the house is £240,000. It has been agreed Tommy will pay $\frac{3}{8}$ of the value, and Gemma will pay the rest.

How much will Gemma pay? Gemma will pay $\frac{5}{8}$ of £240,000

$$\frac{5}{8} \times 240000 = 240000 \times 5 \div 8 = 150000$$

Gemma will pay £150,000

Which is the best offer:

£3,250 with $\frac{1}{10}$ off. $3250 \times 9 \div 10 = 2925$

£4,310 with $\frac{3}{8}$ off. $4310 \times 3 \div 8 = 2693.75$

£4,000 with $\frac{1}{4}$ off. $4000 \times 3 \div 4 = 3000$

£4,310 with $\frac{3}{8}$ off is the best offer.