

Year 5 maths activity 8 answers

1. $\frac{3}{7} (\frac{6}{14}) + \frac{8}{14} = \frac{14}{14} = 1$ whole or $\frac{3}{7} + \frac{8}{14} (\frac{4}{7}) = \frac{7}{7} = 1$ whole
2. $\frac{1}{6} (\frac{3}{18}) + \frac{11}{18} = \frac{14}{18}$ ($\frac{14}{18}$ can be simplified to $\frac{7}{9}$)
3. $\frac{3}{8} (\frac{6}{16}) + \frac{7}{16} = \frac{13}{16}$
4. $\frac{5}{12} + \frac{1}{6} (\frac{2}{12}) + \frac{1}{2} (\frac{6}{12}) = \frac{13}{12} = 1 \frac{1}{12}$
5. $\frac{11}{20} + \frac{3}{5} (\frac{12}{20}) + \frac{1}{10} (\frac{2}{20}) = \frac{25}{20} = 1 \frac{5}{20}$
6. $\frac{3}{4} (\frac{9}{12}) + \frac{5}{12} + \frac{1}{2} (\frac{6}{12}) = \frac{20}{12} = 1 \frac{8}{12}$ or $1 \frac{2}{3}$

Challenge

True:

$$\frac{5}{9} + \frac{4}{9} = \frac{9}{9} = 1 \text{ whole. } 1 + \frac{1}{3} = 1 \frac{1}{3}$$

or

$$\frac{1}{3} (\frac{3}{9}) + \frac{5}{9} + \frac{4}{9} = \frac{12}{9} = 1 \frac{3}{9} \text{ or } 1 \frac{1}{3}$$

True:

$$\frac{3}{12} (\frac{1}{4}) + \frac{5}{4} + \frac{12}{16} (\frac{3}{4}) = \frac{9}{4} = 2 \frac{1}{4}$$