

Answers for Activity 1:

1. Add these mixed fractions together. Can you give the answer in its simplified form?

○ $3\frac{5}{8} + 9\frac{1}{2} = 13\frac{1}{8}$

○ $8\frac{4}{9} + 2\frac{2}{6} = 10\frac{7}{9}$

○ $5\frac{1}{6} + 6\frac{1}{2} = 11\frac{2}{3}$

2. On Saturday, there was $9\frac{1}{6}$ hours of sunshine. On Sunday, there was $6\frac{1}{5}$ hours of sunshine. How many hours of sunshine were there over the whole weekend?

$$9\frac{1}{6} + 6\frac{1}{5} = 15\frac{11}{30}$$

$$9 + 6 = 15$$

$$\frac{1}{6} + \frac{1}{5} = \frac{5}{30} + \frac{6}{30} = \frac{11}{30}$$

3. Charlie has completed the calculation:

$$2\frac{2}{6} + 4\frac{1}{4} = \frac{22}{6} + \frac{17}{4} = \frac{44}{12} + \frac{51}{12} = \frac{95}{12} = 7\frac{11}{12}$$

Frankie thinks he has spotted a mistake.

Can you:

- Explain the mistake Frankie has spotted.

Frankie has spotted $2\frac{2}{6}$ is NOT $\frac{22}{6}$ this therefore makes the rest of the calculation incorrect.

- Find the correct answer, showing your working out.

$$2\frac{2}{6} + 4\frac{1}{4} = \frac{14}{6} + \frac{17}{4} = \frac{28}{12} + \frac{51}{12} = \frac{79}{12} = 6\frac{7}{12}$$