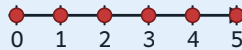


Adding and subtracting mixed numbers

WHAT THIS LESSON TEACHES

With **mixed numbers**, deal with the whole numbers and the fractions, finding a common denominator for the fraction part. Regroup if the fractions make more than one whole.



$$\rightarrow 2\frac{1}{4} + 1\frac{1}{2} = 3 + (\frac{1}{4} + \frac{2}{4}) = 3\frac{3}{4}.$$

$$\rightarrow 3\frac{1}{5} - 1\frac{3}{5} \rightarrow 2\frac{6}{5} - 1\frac{3}{5} = 1\frac{3}{5}.$$

MODEL THIS ON THE BOARD

WORK OUT $2\frac{1}{4} + 1\frac{1}{2}$

- 1 Add the whole numbers: $2 + 1 = 3$.
- 2 Add the fractions with denominator 4: $\frac{1}{4} + \frac{2}{4} = \frac{3}{4}$.
- 3 Combine: $3\frac{3}{4}$.

ANSWER KEY

Warm-up: a) $\frac{5}{6}$ b) $\frac{5}{4}$ c) $\frac{14}{9}$ d) $\frac{7}{6}$

Q1: 3

Q3: $2\frac{5}{16}$

Q2: $\frac{13}{10}$

Q4: $\frac{13}{28}$

EXTENSION SHEET · STRETCH ANSWERS

S1: $\frac{17}{12}$

S4: $7\frac{2}{5}$

S2: $\frac{25}{18}$

S5: $\frac{27}{20}$

S3: $\frac{13}{10}$