Mixed numbers

6 questions | 10 marks

Equivalent correct methods earn the corresponding marks.

1. Write $1\frac{3}{4}$ as an improper fraction. [1 mark]

One whole is four quarters; four plus three is seven.

Answer: $\frac{7}{4}$

2. Write $4\frac{1}{2}$ as an improper fraction. [1 mark]

Four wholes are eight halves; add the extra half.

Answer: $\frac{9}{2}$

3. Write $\frac{14}{3}$ as a mixed number. [2 marks]

Four groups of three use twelve thirds. Two thirds remain.

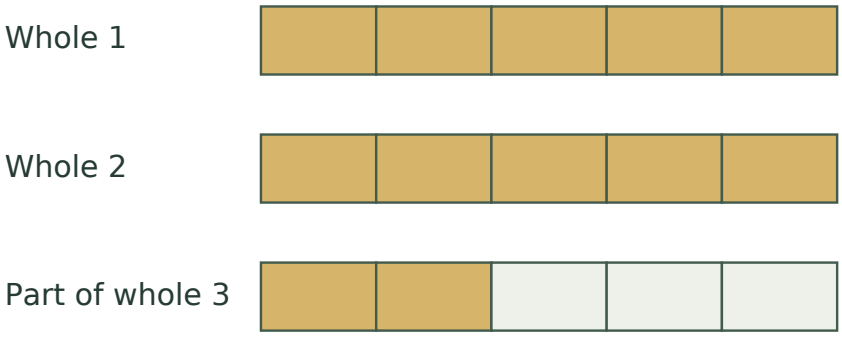
Answer: $4\frac{2}{3}$

4. Write $\frac{19}{6}$ as a mixed number. [2 marks]

Three whole groups use eighteen sixths; one sixth remains.

Answer: $3\frac{1}{6}$

5. Write the shaded amount as a mixed number and an improper fraction. [2 marks]



Two complete bars make ten fifths. The last bar adds two fifths.

Answer: $2\frac{2}{5} = \frac{12}{5}$

6. Jai has $\frac{13}{4}$ litres of water. Does Jai have more or less than three litres? Explain. [2 marks]

Three litres is $\frac{12}{4}$ litres.

$\frac{13}{4} = 3\frac{1}{4}$, so it is a quarter of a litre more.

Answer: More by one quarter of a litre.