

Excellence

1. A student says $\frac{18}{5} = 3\frac{5}{5}$. Are they correct? Explain.

2. A student says $4\frac{2}{3} = \frac{14}{3}$. Are they correct? Explain.

3. Fill in both blanks: $\frac{\square}{6} = 4\frac{\square}{6}$.

4. Fill in both blanks: $7\frac{\square}{8} = \frac{61}{8}$.

5. Which is greater: $\frac{23}{6}$ or $3\frac{4}{5}$? Show enough working to justify.

6. Write $\frac{35}{4}$ as a mixed number, then place it between two whole numbers.

7. Write $5\frac{7}{9}$ as an improper fraction, then say whether it is closer to 5 or 6.

8. Complete: $\frac{\square}{7} = 2\frac{5}{7} = \frac{26}{\square}$.

- 9.** Is $\frac{41}{6} = 6\frac{5}{6}$ correct? Explain what went wrong or why it works.
- 10.** A ribbon is $\frac{17}{3}$ m long. Write this as a mixed number.
- 11.** A tank holds $2\frac{3}{4}$ L. Write this as an improper fraction of litres.
- 12.** Which does not belong: $\frac{10}{3}$, $3\frac{1}{3}$, $\frac{13}{4}$, or $\frac{20}{6}$?
- 13.** A baker uses $3\frac{5}{6}$ cups of flour each batch. Write this as an improper fraction.
- 14.** A runner completes $\frac{25}{8}$ km. Write this as a mixed number.
- 15.** Explain why $\frac{n}{4} = 2\frac{1}{4}$ gives $n = 9$.
- 16.** Complete: if $\frac{m}{5} = 6\frac{2}{5}$, then $m = \underline{\hspace{2cm}}$.

17. Convert $12\frac{7}{12}$ to an improper fraction.

18. Convert $\frac{58}{9}$ to a mixed number.