

Excellence

1. A student says $\frac{3}{4}$ of 20 is 80. Are they correct? Explain.
2. A student says $\frac{2}{3}$ of 27 means $27 \times 2 \times 3$. Correct? Explain.
3. Fill in the blank: $\frac{5}{8}$ of \square is 25.
4. Fill in the blank: $\frac{7}{9}$ of \square is 35.
5. Greater: $\frac{3}{5}$ of 50 or $\frac{2}{3}$ of 45? Show working.
6. Smaller: $\frac{5}{6}$ of 24 or $\frac{3}{4}$ of 28?
7. A tank holds 60 L and is $\frac{7}{10}$ full. How many litres are in it?
8. A team played 32 games and won $\frac{3}{8}$. How many wins?

- 9.** A baker made 48 muffins. $\frac{5}{12}$ were chocolate. How many?
- 10.** If $\frac{m}{5}$ of 35 is 21, then $m = \underline{\hspace{2cm}}$.
- 11.** If $\frac{3}{n}$ of 40 is 24, then $n = \underline{\hspace{2cm}}$.
- 12.** Is $\frac{4}{7}$ of 63 equal to 28? Explain.
- 13.** A strip is 54 cm long. Mina cuts off $\frac{2}{9}$.
How many cm?
- 14.** A jar has 45 lollies. $\frac{4}{9}$ are red. How many red?
- 15.** Which does not belong: $\frac{1}{2}$ of 18, $\frac{2}{4}$ of 18, $\frac{3}{6}$ of 18, $\frac{2}{3}$ of 18?
- 16.** Explain why $\frac{3}{4}$ of 28 can be found by dividing by 4, then multiplying by 3.