

Algebra /

Product of a fraction and a whole number: Problem type 1

$$\frac{5}{6} \times 54$$

$$\frac{\cancel{5}^1}{\cancel{6}_2} \times \frac{54^1}{1} = \frac{5 \times 9}{1 \times 1} = \frac{45}{1} = \boxed{45}$$

$$\frac{2}{3} \times 27$$

$$\frac{\cancel{2}_1}{\cancel{3}_3} \times \frac{27^1}{1} = \frac{2 \times 9}{1 \times 1} = \frac{18}{1} = 18$$

OR

$$\frac{2}{3} \times \frac{27}{1} = \frac{\cancel{27}^{18}}{\cancel{3}_1} = 18$$

$$\frac{7}{6} \times 2$$

Rewrite: $\frac{7}{\cancel{6}_3} \times \frac{2^1}{1}$ 2 and 6 can be reduced by 2

$$\frac{7 \times 1}{3 \times 1} = \boxed{\frac{7}{3}}$$

$$\frac{5}{8} \times 3$$

Rewrite: $\frac{5}{8} \times \frac{3}{1}$ Nothing can be reduced

$$\frac{5 \times 3}{8 \times 1} = \boxed{\frac{15}{8}}$$