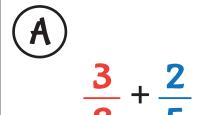
## **Two Methods for Finding Common Denominators**





$$\frac{3}{8} \times 5 = \frac{15}{40}$$

$$\frac{3}{8} \times \frac{5}{5} = \frac{15}{40}$$
  $\frac{2}{5} \times \frac{8}{8} = \frac{16}{40}$ 

$$\frac{15}{40} + \frac{16}{40}$$

$$\frac{3}{8} + \frac{2}{5}$$

Multiples x1 x2 x3 x4 x5 of 8 8, 16, 24, 32, 40) 48

Multiples x1 x2 x3 x4 x5 x6 x7 x8 5, 10, 15, 20, 25, 30, 35, (40,) 45

> The lowest common denominator is 40

$$\frac{3}{8} \times \frac{5}{5} = \frac{15}{40}$$
  $\frac{2}{5} \times \frac{8}{5} = \frac{16}{40}$ 

$$\frac{2}{5} \times 8 = \frac{16}{40}$$

$$\frac{15}{40} + \frac{16}{40}$$

## **Two Methods for Finding Common Denominators**



$$\frac{3}{5} + \frac{7}{10}$$

$$\frac{3}{5} \times \frac{10}{10} = \frac{30}{50}$$

$$\frac{3 \times 10}{5 \times 10} = \frac{30}{50} \qquad \frac{7 \times 5}{10 \times 5} = \frac{35}{50}$$

$$\frac{30}{50} + \frac{35}{50}$$

$$\begin{array}{c}
\boxed{D} \quad \frac{3}{5} + \frac{7}{10}
\end{array}$$

Multiples 
$$x1 x2$$
  
of 5 5,  $(10,)$  15, 20, 25

Multiples 
$$\times^1$$
 of 10, 20, 30, 40, 50

$$\frac{3}{5} \times \frac{2}{2} = \frac{6}{10}$$

$$\frac{7}{10} \times \frac{1}{1} = \frac{7}{10}$$

$$\frac{6}{10} + \frac{7}{10}$$

The lowest common denominator is 10

## **Two Methods for Finding Common Denominators**



$$\frac{1}{3} + \frac{7}{11}$$

$$\frac{1}{3} \times \frac{11}{11} = \frac{11}{33}$$

$$\frac{1}{3} \times \frac{11}{11} = \frac{11}{33}$$
  $\frac{7}{11} \times \frac{3}{3} = \frac{21}{33}$ 

$$\frac{11}{33} + \frac{21}{33}$$

$$\frac{1}{3} + \frac{7}{11}$$

Multiples x1 x2 x3 x4 x5 x6 x7 x8 x9 x10 of 3 3, 6, 9, 12, 15, 18, 21, 24, 27, 30,

Multiples x1 x2 x3

$$\frac{1}{3} \times \frac{11}{11} = \frac{11}{33}$$

$$\frac{7}{11} \times \frac{3}{3} = \frac{21}{33}$$

$$\frac{11}{33} + \frac{21}{33}$$

The lowest common denominator is 33