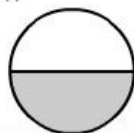




Fractions Ex 6.5 Q1

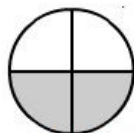
Answer :

(i)



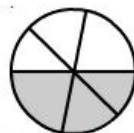
1 out of 2 parts
is shaded

$$\text{Fraction} = \frac{1}{2}$$



2 out of 4 parts
are shaded

$$\text{Fraction} = \frac{2}{4} = \frac{1}{2}$$



3 out of 6 parts
are shaded

$$\text{Fraction} = \frac{3}{6} = \frac{1}{2}$$

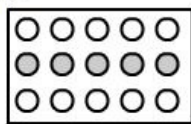


4 out of 8 parts
are shaded

$$\text{Fraction} = \frac{4}{8} = \frac{1}{2}$$

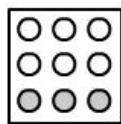
Yes, they are equivalent.

(ii)



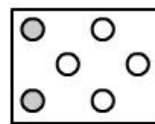
5 out of 15 parts
are shaded

$$\text{Fraction} = \frac{5}{15} = \frac{1}{3}$$



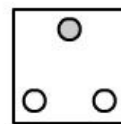
3 out of 9 parts
are shaded

$$\text{Fraction} = \frac{3}{9} = \frac{1}{3}$$



2 out of 6 parts
are shaded

$$\text{Fraction} = \frac{2}{6} = \frac{1}{3}$$



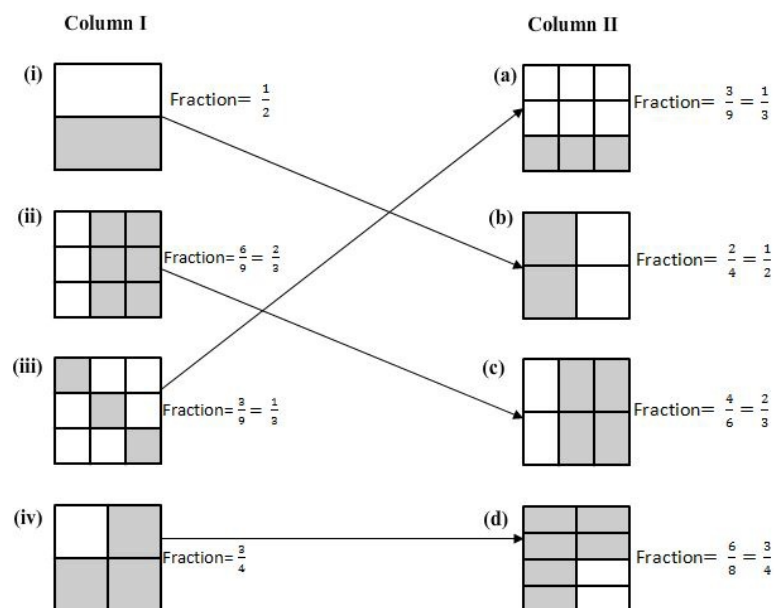
1 out of 3 parts
is shaded

$$\text{Fraction} = \frac{1}{3}$$

Yes, they are equivalent.

Fractions Ex 6.5 Q2

Answer :



Fractions Ex 6.5 Q3

Answer :

(i)
 $\frac{2}{7} = \frac{6}{21}$

As $2 \times 3 = 6$, we will multiply both the numerator & denominator by 3.

$$\Rightarrow \frac{2}{7} \times \frac{3}{3} = \frac{6}{21}$$

(ii)
 $\frac{5}{8} = \frac{10}{16}$

As $5 \times 2 = 10$, we will multiply both the numerator & denominator by 2.

$$\Rightarrow \frac{5}{8} \times \frac{2}{2} = \frac{10}{16}$$

(iii)
 $\frac{4}{5} = \frac{16}{20}$

As $5 \times 4 = 20$, we will multiply both the numerator & denominator by 4.

$$\Rightarrow \frac{4}{5} \times \frac{4}{4} = \frac{16}{20}$$

(iv)
 $\frac{45}{60} = \frac{15}{20}$

As $45 \div 3 = 15$, we will multiply both the numerator & denominator by 3.

$$\Rightarrow \left(\frac{\frac{45}{3}}{\frac{60}{3}} \right) = \frac{15}{20}$$

(v)
 $\frac{18}{24} = \frac{3}{4}$

As $24 \div 6 = 4$, we will multiply both the numerator & denominator by 6.

$$\Rightarrow \left(\frac{\frac{18}{6}}{\frac{24}{6}} \right) = \frac{3}{4}$$

***** END *****