Board – CBSE	Class – 6ᵗʰ	Topic – Fractions Ex:7.3

Exercise – 7.3

Q1. Write the fractions. Are all these fractions equivalent?
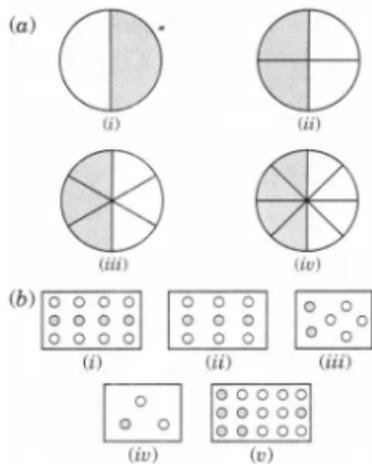
Sol. Since all the fractions in their simplest form are not equal.

∴ They are not equivalent fractions.

Q2. Write the fractions and pair up the equivalent fractions from each row.

Sol. The following pairs fractions: represent the equivalent fractions.

$(a)\ and\ (ii)\ = \frac{1}{2}$

$(b)\ and\ (iv)\ = \frac{2}{3}$

$(c)\ and\ (i)\ = \frac{1}{3}$

$(d)\ and\ (v)\ = \frac{1}{4}$

$(e)\ and\ (iii)\ = \frac{3}{4}$

Q3. *Find the equivalent fraction of* $\frac{3}{5}$

(a) denominator 20

(b) numerator 9

(c) denominator 30

(d) numerator 27

Sol. (a) Here, we require denominator 20.

Let N be the numerator of the fractions.

(b) Here, we required numerator 9.

Let D be the denominator of the fraction.

(c) Here, we required denominator 30.

Let N be the numerator of the fraction.

(d) Here, we required numerator 27.

Let D be the denominator of the fraction.

Q4. *Find the equivalent fraction of* $\frac{36}{48}$

(a) numerator 9

(b) denominator 4

Sol. (a) Given that numerator $= 9$

(b) Given that denominator $= 4$

So, the equivalent fraction is $\frac{3}{4}$.

Q5. Check whether the given fractions are equivalent:

Sol. We have 5 x 54 $= 270$

and 9 x 30 $= 270$

Here 5 x 54 $=$ 9 x 30

We have 3 x 50 $= 150$

and 10 x 12 $= 120$

Here 3 x 50 $\neq$ 10 x 12

We have 7 x 11 $= 77$ and 5 x 13 $= 65$

Here 7 x 11 $\neq$ 5 x 13

Q6. Ramesh had 28 pencils, Sheelu had 50 pencils and Jamaal had 80 pencils. After 4 months, Ramesh used up 10 pencils, Sheelu used up 25 pencils and Jamaal used up 40 pencils. What fraction did each use up? Check if each has used up an equal fraction of her/his pencils.

Sol. Ramesh used up 10 pencils out of 20 pencils.

Sheelu used up 25 pencils out of 50 pencils.

Jamaal used up 40 pencils out of 80 pencils.

Yes, each has used up an equal fraction, i.e., $\frac{1}{2}$