25-6-2021

CLASS-5TH EX. 3.2

Q6 Check whether the given fractions are equivalent.

(a) $\frac{5}{7}$ and $\frac{3}{11}$

Sol $\frac{5}{7} \times \frac{3}{11}$

$5 \times 11 = 55$

$7 \times 3 = 21$

$55 \neq 21$

So, the given fractions are not equivalent.

(b) $\frac{10}{15}$ and $\frac{2}{3}$

$\frac{10}{15} \times \frac{2}{3}$

$10 \times 3 = 30$

$15 \times 2 = 30$

$30 = 30$

So, the given fractions are equivalent.

(c) $\frac{6}{8}$ and $\frac{3}{4}$

$\frac{6}{8} \times \frac{3}{4}$

$6 \times 4 = 24$

$8 \times 3 = 24$

$24 = 24$

So, the given fractions are equivalent.

Exercise 3.3

Q. 1. Put >, < or = sign without changing into equivalent fractions.

(a) $\frac{2}{5} \square \frac{2}{9}$ (b) $\frac{7}{8} \square \frac{5}{8}$ (c) $\frac{1}{9} \square \frac{1}{5}$ (d) $\frac{3}{5} \square \frac{12}{5}$

(e) $\frac{4}{7} \square \frac{5}{7}$ (f) $\frac{3}{13} \square \frac{3}{19}$ (g) $\frac{8}{19} \square \frac{5}{19}$ (h) $\frac{7}{9} \square \frac{7}{5}$

Q2. Compare the following:

(a) $\frac{7}{8} \square \frac{9}{10}$

$7 \times 10 = 70$

$8 \times 9 = 72$

$70 < 72$

(b) $\frac{2}{3} \square \frac{5}{6}$

$2 \times 6 = 12$

$3 \times 5 = 15$

$12 < 15$

(c) $\frac{3}{11} \square \frac{2}{5}$

$3 \times 5 = 15$

$11 \times 2 = 22$

$15 < 22$

(d) $\frac{4}{3} \square \frac{3}{4}$

$4 \times 4 = 16$

$3 \times 3 = 9$

$16 > 9$

(e) $\frac{5}{6} \square \frac{3}{7}$

$5 \times 6 = 30$

$6 \times 3 = 18$

$30 > 18$

NOTE:- DO Q2 (f), (g) and (h) in homework