Exercise- Self Practice 7D (cont.)

Q3. Find 5 equivalent fractions of the following :-

(a) $\frac{3}{7}$ (b) $\frac{4}{5}$ (c) $\frac{5}{6}$ (d) $\frac{4}{9}$

(a) $\frac{3}{7}$

Solution 3(a) :- (i) $\frac{3}{7} \times \frac{2}{2} = \frac{6}{14}$ (ii) $\frac{3}{7} \times \frac{3}{3} = \frac{9}{21}$ (iii) $\frac{3}{7} \times \frac{4}{4} = \frac{12}{28}$

(iv) $\frac{3}{7} \times \frac{5}{5} = \frac{15}{35}$ (v) $\frac{3}{7} \times \frac{6}{6} = \frac{18}{42}$

$\therefore$ The 5 equivalent fraction of $\frac{3}{7}$ are $\frac{6}{14}, \frac{9}{21}, \frac{12}{28}, \frac{15}{35}, \frac{18}{42}$

(c) $\frac{5}{6}$

Solution 3(a) :- (i) $\frac{5}{6} \times \frac{2}{2} = \frac{10}{12}$ (ii) $\frac{5}{6} \times \frac{3}{3} = \frac{15}{18}$ (iii) $\frac{5}{6} \times \frac{4}{4} = \frac{20}{24}$

(iv) $\frac{5}{6} \times \frac{5}{5} = \frac{25}{30}$ (v) $\frac{5}{6} \times \frac{6}{6} = \frac{30}{36}$

$\therefore$ The 5 equivalent fraction of $\frac{5}{6}$ are $\frac{10}{12}, \frac{15}{18}, \frac{20}{24}, \frac{25}{30}, \frac{30}{36}$

In Q3. (b) and (d) are homework .

Q4. Fill in the boxes by the correct number to make each sentence true:-

(a) $\frac{3}{8} = \frac{\square}{40}$ (b) $\frac{18}{21} = \frac{\square}{7}$ (c) $\frac{45}{72} = \frac{5}{\square}$ (d) $\frac{7}{12} = \frac{\square}{84}$

(a) $\frac{3}{8} = \frac{\square}{40}$

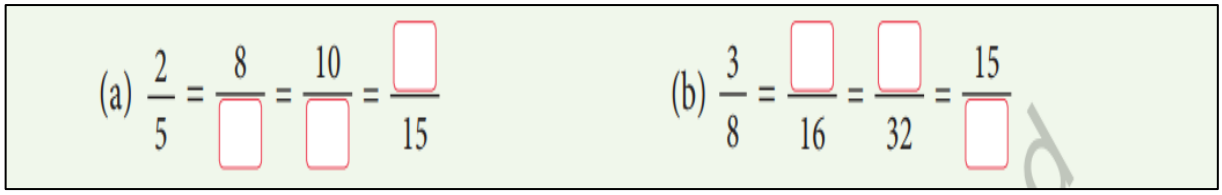
Solution 4(a) :- $\frac{3}{8} \times \frac{5}{5} = \frac{15}{40}$

(c) $\frac{45}{72} = \frac{5}{\square}$

Solution 4(c) :- $\frac{45}{72} \div \frac{9}{9} = \frac{5}{8}$

In Q4. (b) and (d) are homework .

Q5. Write the missing terms of the equivalent fractions:-

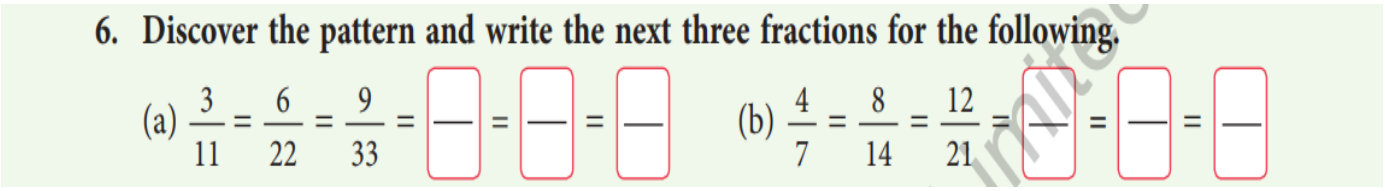


(a) $\frac{2}{5} = \frac{8}{\square} = \frac{10}{\square} = \frac{\square}{40}$

Solution 5 (a) :- $\frac{2}{5} \times \frac{4}{4} = \frac{8}{20}$, $\frac{2}{5} \times \frac{5}{5} = \frac{10}{25}$, $\frac{2}{5} \times \frac{3}{3} = \frac{6}{15}$

In Q5. (b) is homework .

Q6. Discover the pattern and write the next three fractions for the following:-


6. Discover the pattern and write the next three fractions for the following.

(a) $\frac{3}{11} = \frac{6}{22} = \frac{9}{33} = \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$ (b) $\frac{4}{7} = \frac{8}{14} = \frac{12}{21} = \frac{\quad}{\quad} = \frac{\quad}{\quad} = \frac{\quad}{\quad}$

(b) $\frac{4}{7} = \frac{8}{14} = \frac{12}{21} = \frac{\square}{\square} = \frac{\square}{\square} = \frac{\square}{\square}$

Solution 6(b):- $\frac{4}{7} \times \frac{4}{4} = \frac{16}{28}$, $\frac{4}{7} \times \frac{5}{5} = \frac{20}{35}$, $\frac{4}{7} \times \frac{6}{6} = \frac{24}{42}$

∴ The next 3 fraction of $\frac{4}{7}$ are $\frac{4}{7} = \frac{8}{14} = \frac{12}{21} = \boxed{\frac{16}{28}} = \boxed{\frac{20}{35}} = \boxed{\frac{24}{42}}$

In Q6. (a) is homework .

Q7. is omitted (it will not come in the exam)