

2. find

Sol.

$$(i) 12 \div \frac{3}{4}$$

$$12 \times \frac{4}{3} = 16 \text{ Ans}$$

$$(ii) 14 \div \frac{5}{6}$$

$$14 \times \frac{6}{5} = \frac{84}{5}$$

$$(iii) 8 \div \frac{7}{3}$$

$$8 \times \frac{3}{7} = \frac{24}{7}$$

$$(iv) 4 \div \frac{8}{3}$$

$$4 \times \frac{3}{8} = \frac{3}{2}$$

$$(v) 3 \div 2\frac{1}{3}$$

$$3 \div \frac{7}{3} = 3 \times \frac{3}{7} = \frac{9}{7}$$

$$(vi) 5 \div 3\frac{4}{7}$$

$$5 \times \frac{7}{25} = \frac{105}{25} = \frac{21}{5}$$

(2) find the reciprocal of each of the fractions. classify the reciprocals as proper fractions, improper fractions and whole numbers

Reciprocal

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$$(i) \frac{3}{7} \rightarrow \frac{7}{3} \text{ Improper fractions}$$

$$(ii) \frac{5}{8} \rightarrow \frac{8}{5} \text{ Imp. fractions}$$

$$(iii) \frac{9}{7} \rightarrow \frac{7}{9} \text{ proper fractions}$$

$$(iv) \frac{6}{5} \rightarrow \frac{5}{6} \text{ proper fractions}$$

$$(v) \frac{12}{7} \rightarrow \frac{7}{12} \text{ proper fractions}$$

$$(vi) \frac{8}{8} \rightarrow \frac{8}{8} \text{ whole number}$$

$$(vii) \frac{1}{11} \rightarrow \frac{11}{1} \text{ whole number}$$

(3) Find

sol:

$$(i) \frac{7}{3} \div 2 = \frac{7}{3} \times \frac{1}{2} = \frac{7}{6}$$

$$(ii) \frac{4}{9} \div 5 = \frac{4}{9} \times \frac{1}{5} = \frac{4}{45}$$

$$(iii) \frac{6}{13} \div 7 = \frac{6}{13} \times \frac{1}{7} = \frac{6}{91}$$

$$(iv) 4\frac{1}{3} \div 3 = \frac{13}{3} \times \frac{1}{3} = \frac{13}{9}$$

$$(v) 3\frac{1}{2} \div 4 = \frac{7}{2} \times \frac{1}{4} = \frac{7}{8}$$

(vi) $4\frac{3}{7} \div 7 \rightarrow \frac{31}{7} \times \frac{1}{7} = \frac{31}{49}$

(4) find

Sol:

(i) $\frac{2}{5} \div \frac{1}{2} \rightarrow \frac{2}{5} \times \frac{2}{1} = \frac{4}{5}$

(ii) $\frac{4}{9} \div \frac{2}{3} \rightarrow \frac{4}{9} \times \frac{3}{2} = \frac{2}{3}$

(iii) $\frac{3}{7} \div \frac{8}{7} \rightarrow \frac{3}{7} \times \frac{7}{8} = \frac{3}{8}$

(iv) $2\frac{1}{3} \div \frac{3}{5} \rightarrow \frac{7}{3} \div \frac{3}{5} \rightarrow \frac{7}{3} \times \frac{5}{3} = \frac{35}{9}$

(v) $3\frac{1}{2} \div \frac{8}{3} \rightarrow \frac{7}{2} \div \frac{8}{3} \rightarrow \frac{7}{2} \times \frac{3}{8} = \frac{21}{16}$

(vi) $\frac{2}{5} \div 1\frac{1}{2} \rightarrow \frac{2}{5} \div \frac{3}{2} \rightarrow \frac{2}{5} \times \frac{2}{3} = \frac{4}{15}$

(vii) $3\frac{1}{5} \div 1\frac{2}{3} \rightarrow \frac{16}{5} \div \frac{5}{3} \rightarrow \frac{16}{5} \times \frac{3}{5} = \frac{48}{25}$

(viii) $2\frac{1}{5} \div 1\frac{1}{5} \rightarrow \frac{11}{5} \div \frac{6}{5} \rightarrow \frac{11}{5} \times \frac{5}{6} = \frac{11}{6}$