

CH. 2 : FRACTIONS AND DECIMALS

II FILL IN THE BLANKS

1. The product of two proper fractions is _____ than each of the fractions.
2. The product of two improper fractions is _____ than each of the two fractions.
3. $\frac{4}{5} \times \frac{\boxed{}}{\boxed{}} = \frac{28}{30}$
4. $\frac{2}{\boxed{}} \times \frac{4}{9} = \frac{8}{45}$
5. Reciprocal of $\frac{2}{3}$ is $\frac{\boxed{}}{\boxed{}}$
6. $1.2 \times 100 = \underline{\hspace{2cm}}$
7. $2.5 \times 1000 = \underline{\hspace{2cm}}$
8. $2.97 \times 10 = \underline{\hspace{2cm}}$

II ANSWER THE FOLLOWING :

1. Solve
 - i) $4 - \frac{1}{5}$
 - ii) $2\frac{3}{7} + 3\frac{1}{2}$
 - iii) $\frac{2}{3} + \frac{1}{6} + \frac{7}{12}$
2. Arrange the numbers in descending order and ascending order
 - a. $\frac{4}{5}, \frac{2}{7}, \frac{5}{3}$
 - b. $\frac{5}{2}, \frac{3}{5}, \frac{7}{6}$
3. Raju finished his work in $\frac{5}{6}$ hrs. Vrinda finished her work in $\frac{3}{4}$ hrs. Who worked longer ? By what fraction was it longer?

4. Multiply and reduce to lowest form and convert into a mixed fraction.

i) $40 \times \frac{6}{12}$

ii) $22 \times \frac{3}{11}$

iii) $\frac{2}{5} \times 25$

iv) $2\frac{1}{7} \times 14$

v) $3\frac{5}{6} \times 18$

5. Multiply and reduce to lowest form

a. $\frac{4}{15} \times \frac{20}{8}$

b. $3\frac{4}{7} \times \frac{21}{10}$

c. $\frac{6}{13} \times \frac{26}{36}$

6. Which is greater

a. $\frac{1}{3}$ of $\frac{4}{5}$ or $\frac{2}{3}$ of $\frac{3}{10}$

7. Find

a. $6 \div 5\frac{1}{3}$

b. $7 \div 2\frac{4}{7}$

c. $7 \div \frac{2}{5}$

d. $6 \div \frac{4}{7}$

e. $2 \div \frac{8}{9}$

f. $\frac{3}{5} \div \frac{1}{2}$

g. $\frac{1}{2} \div \frac{3}{5}$

h. $2\frac{1}{2} \div \frac{3}{5}$

i. $5\frac{1}{6} \div \frac{9}{2}$

8. Express as rupees using decimals

a. 479 paise

b. 2 rupees 30 paise

c. 25 rupees 85 paise

d. 75 paise

9. Express 45 mm in cm, m and km

10. Ajmal bought 21 kg 360 g Wheat and 37 kg 350g Rice. Roshan bought 32 kg 500g Wheat and 28 kg 150 g Rice. Who bought more cereals.

11. Find

a. 7.2×4

b. 8.1×2.1

c. 3.2×5.34

d. 7.1×5.2

e. 2.4×4.2

f. 1.2×2.53

g. 3.25×10

h. 21.365×10

i. 6.17×10

j. 6.17×100

k. 3.25×100

l. 21.365×100

m. 21.365×1000

n. 6.17×1000

o. 3.25×1000

p. 0.5×10

q. 6.3×100

r. 65.3×1000

12. Find

a. $53.7 \div 3$

b. $25.6 \div 8$

c. $82.44 \div 6$

d. $15.5 \div 5$

e. $126.35 \div 7$

f. $0.60 \div 5$

g. $7.75 \div 0.25$

h. $42.8 \div 0.02$

i. $5.6 \div 1.4$

j. $32.75 \div 0.25$

k. $354.2 \div 10$

l. $354.2 \div 100$

m. $354.2 \div 1000$

n. $2.38 \div 10$

o. $2.38 \div 100$

p. $2.38 \div 1000$

q. $13.5 \div 10$

r. $13.5 \div 100$

s. $13.5 \div 1000$

t. $29.63 \div 10$

u. $29.63 \div 100$

v. $29.63 \div 1000$