

Date:- May 1, 2017

HOME ASSIGNMENT

CLASS - VII

Ch-2 Fractions & Decimals

Q1 A bucket contains $24\frac{1}{2}$ litres of water. A small mug has a capacity of $\frac{7}{8}$ litres. How many times the mug has to be filled with water from the bucket to get it emptied? [Ans $\rightarrow 28$ times]

Q2 The product of two numbers is $74\frac{1}{4}$. If one of the no. is $4\frac{1}{2}$, then find the other [Ans $\rightarrow 16\frac{1}{2}$]

Q3 The area of a rectangular field is $321\frac{5}{8} m^2$. If its length is $20\frac{3}{4} m$, find its breadth. [Ans - $15\frac{1}{2} m$]

Q4 Find the difference between

(i) $4\frac{3}{10}$ and $1\frac{2}{15}$ [Ans $3\frac{1}{6}$]

(ii) $\frac{9}{11}$ and $\frac{4}{15}$ [Ans $\rightarrow \frac{91}{165}$]

Q5 Simplify

(i) $\frac{7}{5}$ of $(\frac{4}{9} + \frac{2}{3}) \div 4\frac{2}{3}$ (Ans $\frac{1}{3}$)

(ii) $\frac{3}{4} \times (\frac{16}{3} \times 2\frac{1}{5}) \div \frac{7}{9}$ (Ans $11\frac{11}{35}$)

(iii) $\frac{4}{9} \times (\frac{3}{4} - \frac{1}{8}) \div \frac{3}{4}$ (Ans $\frac{10}{27}$)

Q6 Find out which is bigger $\frac{1}{17}$ of 204 or $\frac{1}{19}$ of 228 (Ans \square)

Q7 A water can has 15l of water. $\frac{1}{3}$ of the water in the can is used for filling water bottles to keep in the refrigerator and $\frac{2}{5}$ of water is

used for cooking.

(a) How much of the water is filled in the water bottles [Ans 5L]

(b) How much water is used for cooking? [Ans 6L]

(c) How much water is remaining in the can?

Q8 There are 48 balls in a bag. $\frac{1}{3}$ of them are red in colour, $\frac{1}{4}$ of them are blue in colour, $\frac{1}{6}$ of them are green in colour and the remaining are white in colour. Find the no. of balls of each colour [Ans 4L]

[Ans \rightarrow Red - 16 Blue - 12, green - 8, White - 12]

Q9 A car takes 3.2 hours to cover 132.8 km.

Find the distance it can cover in 1 hour.

[Ans 41.5 km]

Q10 Fill in the blanks.

(i) $0.0137 \times \underline{\quad} = 1.37$

(ii) $137.2 \times \underline{\quad} = 13720$

(iii) $0.512 \times \underline{\quad} = 512$

(Ans (i) 100

(ii) 100

(iii) 1000

Q11 Each side of a rectangular polygon is 2.5 cm in length. The perimeter of the polygon is 12.5 cm. How many sides does the polygon have? [5 sides]

Q12 The product of two decimals is 1.8576. If one of the decimals is 0.54, find the other.

[3.44]

Q13 The weight of a basket filled with fruits is 112.72 kg. The weight of the empty basket is 650 g. Find the weight of the fruits inside the basket?

[Ans 112.07 kg]