

NAME:-_____ SUB:-_____ STD:-_____

Topic:-_____

1. Division of Decimal Fractions.

Example:-

$$5/7 \div 2/3 = 5/7 \times 3/2 = 15/14$$

$$\begin{aligned}(1) \quad 6.2 \div 2 &= 62/10 \div 2/1 \\ &= 62/10 \times 1/2 \\ &= 31/10 \\ &= 3.1\end{aligned}$$

$$\begin{aligned}(2) \quad 3.4 \div 5 &= 34/10 \div 5/1 \\ &= 34/10 \times 1/5 \\ &= 34/50 \\ &= 34 \times 2/50 \times 2 \\ &= 68/100 \\ &= 0.68\end{aligned}$$

$$\begin{aligned}(3) \quad 4.8 \div 1.2 &= 48/10 \div 12/10 \\ &= 48/10 \times 10/12 \\ &= 4\end{aligned}$$

1. Carry out the following divisions.

$$(1) \quad 4.8 \div 2$$

(2) $17.5 \div 5$

(3) $20.6 \div 2$

(4) $32.5 \div 25$

2. A road is 4 km 800 m long. If trees are planted on both its sides at intervals of 9.6 m, how many trees were planted?
3. Pradnya exercises regularly by walking along a circular path on a field. If she walks a distance of 3.825 km in 9 rounds of the path, how much does she walk in one round?
4. A pharmaceutical manufacturer bought 0.25 quintal of *hirada*, a medicinal plant, for 9500 rupees. What is the cost per quintal of *hirada*? (1quintal = 100 kg)