

Jender Heart High School, Sector-33B Chd.

Class: VII

Teacher: Deptu.

Subject: Mathematics

Topic: Chapter-3: Decimals

Exercise - 3.1

Sol'n 3: Divide :

$$(i) \quad 2.24 \div 0.8 = \frac{2.24 \times 10}{0.8 \times 10} = \frac{22.4}{8} = 2.8$$

$$(ii) \quad 1.242 \div 1.8 = \frac{1.242 \times 10}{1.8 \times 10} = \frac{12.42}{18} = 0.69$$

$$(iv) \quad 0.0144 \div 0.12 = \frac{0.0144 \times 100}{0.12 \times 100} = \frac{1.44}{12} = 0.12$$

$$vi) \quad 0.068 \div 0.17 = \frac{0.068}{0.17} = \frac{6.8 \times 10}{1.7 \times 10} = \frac{6.8}{1.7} = 4 = 0.4$$

Sol'n 4: Simplify :

$$(i) \quad \frac{1.3 \times 2.4}{0.39} = \frac{13 \times 24}{39} = 8$$

$$(ii) \quad \frac{2.5 \times 40.4}{50} = \frac{25 \times 404}{50 \times 10} = \frac{202}{10} = 20.2$$

Sol'n 6. Distance = 276.75 Km, Time = 4.5 hours

$$\text{Speed} = \frac{\text{distance}}{\text{time}} = \frac{276.75}{4.5} = \frac{27675}{45} = 615 \text{ km/hr}$$

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Sol'n 8. The product of two numbers = 52.8
one number = 8.25
So, other number = $52.8 \div 8.25$
$$= \frac{52.8 \times 100}{8.25 \times 100}$$
$$= \frac{5280}{825} = 6.4$$

Exercise - 3E

Recurring decimal: If the decimal part is repeated continuously,

Sol'n 1 recurring decimal:

(i) $\frac{20}{3}$ $3 \overline{) 20.6 \dots}$ $\frac{20}{3} = 6.\overline{6}$

(ii) $\frac{3}{11}$: $11 \overline{) 30.2727 \dots}$ Ans = $0.\overline{27}$

(vi) $\frac{22}{7}$ $7 \overline{) 22.1428 \dots}$

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Exercise - 3F

Soln 1 (i) $87.\underline{46} \Rightarrow 87$ (nearest whole no.)

(ii) $71.\underline{54} \Rightarrow 72$

(v) $60.29 \Rightarrow 60$

Soln 3 (i) 7.451 to the nearest hundredths.

$7.45\underline{1} \Rightarrow 7.45$

(iv) 0.061 to nearest tenths

$0.0\underline{61} \Rightarrow 0.1$

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