

# Ex - 38

1. (a)  $1 \cdot 4 = 1$  , (b)  $4 \cdot 5 = 5$  , (c)  $3 \cdot 6 = 4$  , (d)  $23 \cdot 1 = 23$   
 (e)  $6 \cdot 3 = 6$  , (f)  $4 \cdot 52 = 5$  , (g)  $10 \cdot 48 = 10$  , (h)  $18 \cdot 16 = 18$   
 (i)  $5 \cdot 046 = 5$  , (j)  $2 \cdot 815 = 3$

2. (a)  ~~$7 \cdot 42 = 10$~~  , (b)  ~~$9 \cdot 89 = 10$~~  , (c)  ~~$27 \cdot 26 = 30$~~  , (d)  ~~$102 \cdot 63 = 100$~~   
 (e)  ~~$1 \cdot 635 = 0$~~

2. (a)  $7 \cdot 42 = 7 \cdot 40$  , (b)  $9 \cdot 89 = 9 \cdot 90$  , (c)  $27 \cdot 26 = 27 \cdot 30$  ,  
 (d)  $102 \cdot 63 = 102 \cdot 60$  , (e)  $1 \cdot 635 = 1 \cdot 6$

3. (a)  $15 \cdot 53 = 15 \cdot 6$  , (b)  $7 \cdot 35 = 7 \cdot 4$  , (c)  $612 \cdot 75 = 612 \cdot 8$   
 (d)  $9 \cdot 825 = 9 \cdot 9$  , (e)  $1 \cdot 932 = 2$

4. (a)  $6 \cdot 243 = 6 \cdot 24$  , (b)  $8 \cdot 789 = 8 \cdot 79$  , (c)  $7 \cdot 345 = 7 \cdot 35$   
 (d)  $27 \cdot 854 = 27 \cdot 85$  ; (e)  $9 \cdot 7126 = 9 \cdot 71$

5. (a)  $5 \cdot 2364 = 5 \cdot 236$  , (b)  $2 \cdot 3166 = 2 \cdot 317$  , (c)  $13 \cdot 8074 = 13 \cdot 807$   
 (d)  $0 \cdot 0253 = 0 \cdot 025$  , (e)  $0 \cdot 00654 = \del{0 \cdot 006} 0 \cdot 007$

6. (a)  $1.3 \div 7$

$$\begin{array}{r} 0.185 \dots \\ 7 \overline{) 1.3} \\ \underline{- 7} \phantom{00} \\ 60 \phantom{0} \\ \underline{- 56} \phantom{0} \\ 40 \phantom{0} \\ \underline{- 35} \phantom{0} \\ 50 \phantom{0} \end{array}$$

$\therefore$  Quotient correct to two places of decimal = 0.19

(b)  $40.156 \div 9$

$$\begin{array}{r} 4.4617 \dots \\ 9 \overline{) 40.156} \\ \underline{- 36} \phantom{00} \\ 41 \phantom{0} \\ \underline{- 36} \phantom{0} \\ 55 \phantom{0} \\ \underline{- 54} \phantom{0} \\ 16 \phantom{0} \\ \underline{- 9} \phantom{0} \\ 70 \phantom{0} \\ \underline{- 63} \phantom{0} \\ 7 \phantom{0} \end{array}$$

$\therefore$  Quotient correct to two places of decimal = 4.46

(c)  $5.693 \div 13$

$$\begin{array}{r} 0.437923 \dots \\ 13 \overline{) 5.693} \\ \underline{- 52} \phantom{00} \\ 49 \phantom{0} \\ \underline{- 39} \phantom{0} \\ 103 \phantom{0} \\ \underline{- 91} \phantom{0} \\ 120 \phantom{0} \\ \underline{- 117} \phantom{0} \\ 30 \phantom{0} \\ \underline{- 26} \phantom{0} \\ 40 \phantom{0} \\ \underline{- 39} \phantom{0} \\ 1 \phantom{0} \end{array}$$

$\therefore$  Quotient correct to two places of decimal = 0.44

7. (a)  $\frac{11}{15}$

$$\begin{array}{r} 0.7333 \dots \\ 15 \overline{) 110} \\ \underline{- 105} \phantom{00} \\ 50 \phantom{0} \\ \underline{- 45} \phantom{0} \\ 50 \phantom{0} \\ \underline{- 45} \phantom{0} \\ 50 \phantom{0} \\ \underline{- 45} \phantom{0} \\ 5 \phantom{0} \end{array}$$

$\therefore$  ~~decimal fractions~~ Quotient correct to three decimal places = 0.733

(b)  $2\frac{5}{13} = \frac{31}{13}$

$$\begin{array}{r} 2.38461 \dots \\ 13 \overline{) 31} \\ \underline{- 26} \phantom{00} \\ 50 \phantom{0} \\ \underline{- 39} \phantom{0} \\ 110 \phantom{0} \\ \underline{- 104} \phantom{0} \\ 60 \phantom{0} \\ \underline{- 52} \phantom{0} \\ 80 \phantom{0} \\ \underline{- 78} \phantom{0} \\ 20 \phantom{0} \\ \underline{- 13} \phantom{0} \\ 7 \phantom{0} \end{array}$$

$\therefore$  Quotient correct to three places of decimal = 2.385

$$7. (c) \frac{1}{3}$$

$$\begin{array}{r} 0.333\bar{3} \dots \\ 3 \overline{) 10} \\ \underline{- 9} \\ 10 \\ \underline{- 9} \\ 10 \\ \underline{- 9} \\ 10 \\ \underline{- 9} \\ 10 \\ \underline{- 9} \\ 1 \end{array}$$

$\therefore$  Quotient correct to  
three places of decimal  
 $= 0.333$

$$(d) 10 \frac{4}{11} = \frac{114}{11}$$

$$\begin{array}{r} 10.3636 \dots \\ 11 \overline{) 114} \\ \underline{- 11} \\ 40 \\ \underline{- 33} \\ 70 \\ \underline{- 66} \\ 40 \\ \underline{- 33} \\ 70 \\ \underline{- 66} \\ 4 \end{array}$$

$\therefore$  Quotient correct to  
three places of decimal  
 $= 10.364$