

Day 9 Sept 2020

Chapter - 4  
My Practice Time - 1

Q1 Divide the following.

$$\begin{array}{r} 12 \\ 19 \overline{) 228} \\ \underline{-191} \\ 38 \\ \underline{-38} \\ 0 \end{array}$$

$$\begin{array}{r} 23 \\ 14 \overline{) 322} \\ \underline{-281} \\ 42 \\ \underline{-42} \\ 0 \end{array}$$

$$\begin{array}{r} 248 \\ 5 \overline{) 1240} \\ \underline{-100} \\ 24 \\ \underline{-20} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

$$\begin{array}{r} 789 \\ 6 \overline{) 4734} \\ \underline{-420} \\ 53 \\ \underline{-48} \\ 54 \\ \underline{-54} \\ 0 \end{array}$$

$$\begin{array}{r} 288 \\ 18 \overline{) 5184} \\ \underline{-360} \\ 158 \\ \underline{-144} \\ 144 \\ \underline{-144} \\ 0 \end{array}$$

- 33
- 66
- 99
- 132
- 165
- 198
- 231
- 264
- 297
- 330

- 56
- 112
- 168
- 224
- 280
- 336
- 392
- 448
- 504
- 560

$$\begin{array}{r} 356 \\ 12 \overline{) 4272} \\ \underline{-360} \\ 67 \\ \underline{-60} \\ 72 \\ \underline{-72} \\ 0 \end{array}$$

$$\begin{array}{r} 187 \\ 33 \overline{) 6171} \\ \underline{-330} \\ 287 \\ \underline{-264} \\ 231 \\ \underline{-231} \\ 0 \end{array}$$

$$\begin{array}{r} 123 \\ 56 \overline{) 6888} \\ \underline{-560} \\ 128 \\ \underline{-112} \\ 168 \\ \underline{-168} \\ 0 \end{array}$$

$$\begin{array}{r} 105 \\ 46 \overline{) 4830} \\ \underline{-460} \\ 230 \\ \underline{-230} \\ 0 \end{array}$$



Day 10 Sept 2020

Chapter - 4  
My Practice Time 1

Q2. Divide to find the quotient and remainder.  
Also, verify your answer.

divisor  $\cdot 47 \leftarrow$  quotient

(a)  $\leftarrow 12 \sqrt{567} \rightarrow$  dividend

$$\begin{array}{r} 48 \downarrow \\ 87 \\ - 84 \\ \hline \end{array}$$

3  $\rightarrow$  Remainder

Q = 47, R = 3,

Dividend = divisor  $\times$  quotient + remainder.

$\Rightarrow 12 \times 47 + 3$

$\Rightarrow 564 + 3$

567  $\Rightarrow$  567.

(b)  $13 \sqrt{250}$

$$\begin{array}{r} 19 \text{ Q} \\ - 13 \downarrow \\ 120 \\ - 117 \\ \hline 3R \end{array}$$

Q = 19, R = 3

$d = d \times q + r$

$\Rightarrow 13 \times 19 + 3$

$\Rightarrow 247 + 3$

250  $\Rightarrow$  250.

(c)  $34 \sqrt{954}$

$$\begin{array}{r} 28 \text{ Q} \\ - 68 \downarrow \\ 274 \\ - 272 \\ \hline 02R \end{array}$$

Q = 28, R = 2.

$d = d \times q + r$

$\Rightarrow 34 \times 28 + 2$

$\Rightarrow 952 + 2$

$\Rightarrow 954$

954  $\Rightarrow$  954.



d) 9  $\overline{) 1047} = Q$  (e)

$$\begin{array}{r} 9 \overline{) 1047} \\ \underline{-91} \phantom{0} \\ 042 \\ \underline{-36} \phantom{0} \\ 67 \\ \underline{-63} \\ \hline 4R \end{array}$$

$Q = 1047, R = 4$

$d = d \times q + r$

$\Rightarrow 9 \times 1047 + 4$

$\Rightarrow 9423 + 4$

$9427 \Rightarrow 9427$

$\overline{) 197} Q$

$$\begin{array}{r} 7 \overline{) 1382} \\ \underline{-7} \phantom{00} \\ 68 \\ \underline{-63} \phantom{0} \\ 52 \\ \underline{-49} \\ \hline 3R \end{array}$$

$Q = 197, R = 3$

$d = d \times q + r$

$\Rightarrow 7 \times 197 + 3$

$\Rightarrow 1379 + 3$

$1382 \Rightarrow 1382$

b)  $\overline{) 387} Q$

$$\begin{array}{r} 6 \overline{) 2326} \\ \underline{-18} \phantom{00} \\ 52 \\ \underline{-48} \phantom{0} \\ 46 \\ \underline{-42} \\ \hline 4R \end{array}$$

$Q = 387, R = 4$

$d = d \times q + r$

$\Rightarrow 6 \times 387 + 4$

$\Rightarrow 2322 + 4$

$2326 \Rightarrow 2326$

(g)  $\overline{) 1063} Q$

$$\begin{array}{r} 59 \overline{) 1063} \\ \underline{-59} \phantom{00} \\ 473 \\ \underline{-472} \\ \hline 001R \end{array}$$

$Q = 18, R = 1$

$d = d \times q + r$

$\Rightarrow 59 \times 18 + 1$

$\Rightarrow 1062 + 1$

$1063 \Rightarrow 1063$

(g)  $\overline{) 2326}$

$$\begin{array}{r} 59 \\ 118 \\ 177 \\ 236 \\ 295 \\ 354 \\ 413 \\ 472 \\ 531 \\ 590 \end{array}$$



$$\begin{array}{r}
 (h) \quad \underline{149} \text{ Q} \\
 15 \overline{) 2239} \\
 \underline{- 15} \downarrow \\
 73 \\
 \underline{- 60} \downarrow \\
 139 \\
 \underline{- 135} \\
 4R
 \end{array}$$

$$\begin{aligned}
 Q &= 149, R = 4 \\
 d &= d \times q + r \\
 &\Rightarrow 15 \times 149 + 4 \\
 &\Rightarrow 2235 + 4 \\
 2239 &\Rightarrow 2239,
 \end{aligned}$$

$$\begin{array}{r}
 (h) \quad \underline{175} \text{ Q} \\
 29 \overline{) 5080} \\
 \underline{- 29} \downarrow \\
 218 \\
 \underline{- 203} \downarrow \\
 150 \\
 \underline{- 145} \\
 05R
 \end{array}$$

$$\begin{aligned}
 Q &= 175, R = 05 \\
 d &= d \times q + r \\
 &\Rightarrow 29 \times 175 + 5 \\
 &\Rightarrow 5075 + 5 \\
 5080 &\Rightarrow 5080.
 \end{aligned}$$



### My Practice Time 3

Q Find the quotient and remainder for the following.

$$(a) 720 \div 10 \Rightarrow \frac{720}{10} \Rightarrow Q=72, R=0$$

$$(b) 2342 \div 100 \Rightarrow \frac{2342}{100} \Rightarrow Q=23, R=42$$

$$(c) 2260 \div 1000 \Rightarrow \frac{2260}{1000} = 2.26 \Rightarrow Q=2, R=26$$

$$(d) 267 \div 10 \Rightarrow \frac{267}{10} = 26.7 \Rightarrow Q=26, R=7$$

$$(e) 112 \div 10 \Rightarrow \frac{112}{10} = 11.2 \Rightarrow Q=11, R=2$$

$$(f) 1296 \div 100 \Rightarrow \frac{1296}{100} = 12.96 \Rightarrow Q=12, R=96$$

$$(g) 721 \div 100 \Rightarrow \frac{721}{100} = 7.21 \Rightarrow Q=7, R=21$$

$$(h) 6236 \div 1000 \Rightarrow \frac{6236}{1000} = 6.236 \Rightarrow Q=6, R=236$$



4/12 Sept 2020

Chapter - 4  
My Practice Time 4

Q1. Estimate the quotient by first rounding off the numbers to the nearest 10's.

(a)  $115 \div 27$

Sol. Rounding off the numbers to the nearest 10's.  
we get.  $115 \rightarrow 120$   
 $27 \rightarrow 30$   
 $120 \div 30 \Rightarrow Q = 4, R = 0.$

(b)  $321 \div 83$

Sol. Rounding off the numbers to the nearest 10's.  
we get.  $321 \rightarrow 320$   
 $83 \rightarrow 80$   
 $320 \div 80 \Rightarrow Q = 4, R = 0.$

(c)  $227 \div 8$

Sol. Rounding off the numbers to the nearest 10's.  
we get  $\Rightarrow 227 \rightarrow 230$   
 $8 \rightarrow 10$   
 $230 \div 10 \Rightarrow Q = 23, R = 0$

(d)  $2436 \div 15$

Sol. Rounding off the numbers to the nearest 10's.  
we get =  $2436 \rightarrow 2440$   
=  $15 \rightarrow 20$   
 $2440 \div 20 \Rightarrow Q = 122, R = 0,$



12)  $1275 \div 35$

Sol. Rounding off the numbers to the nearest 10s,  
we get  $\rightarrow 1275 \rightarrow 1280$

$$35 \rightarrow 40$$

$$1280 \div 40 = Q = 32, R = 0$$

13)  $1752 \div 68$

Sol. Rounding off the numbers to the nearest 10s,  
we get  $\rightarrow 1752 \rightarrow 1750$

$$68 \rightarrow 70$$

$$1750 \div 70 = Q = 25, R = 0$$

14)  $1436 \div 12$

Sol. Rounding off the numbers to the nearest 10s,  
we get  $\rightarrow 1436 \rightarrow 1440$

$$\Rightarrow 12 \rightarrow 10$$

$$1440 \div 10 = Q = 144, R = 0$$

15)  $729 \div 6$

Sol. Rounding off the numbers to the nearest 10s,  
we get  $\rightarrow 729 \rightarrow 730$

$$6 \rightarrow 10$$

$$730 \div 10 = Q = 73, R = 0$$



Q. 15 boxes contains 223 balls. Estimate the number of balls in each box by the rounding off the numbers to the nearest 10's.

Sol. No. of balls in 15 boxes = 223  
No. of balls in 1 box =  $223 \div 15 = 14.8$  balls.  
Rounding off the number to the nearest 10's.  
we get,  $223 \rightarrow 220$   
 $15 \rightarrow 20$   
 $220 \div 20 = 11$  balls.

Q. A shopkeeper has 1442 toys in his shop. If he sold all the toys in 87 days. Estimate the number of toys sold in a day to the nearest 10's, assuming he sold the same number of toys each day.

Sol. No. of toys sold in 87 days = 1442  
No. of toys sold in 1 day  $\Rightarrow 1442 \div 87 = 16.57$   
Rounding off the number to the nearest 10's.  
we get  $1442 \rightarrow 1440$   
 $87 \rightarrow 90$   
 $1440 \div 90 = 16$  toys.  
 $1440 \div 90 = 16$  toys each day.