

**St. Andrews Scots Sr. Sec. School**

**9th Avenue I.P Extn. Patparganj, Delhi-110092**

**Session 2022-2023**

**Class III**

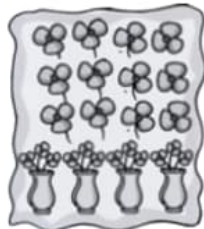
**Subject :Mathematics**

## 6. Division

### Solutions

#### Exercise 6A

1. (b)  $12 \div 3 = 4$



(c)  $18 \div 9 = 2$



(d)  $14 \div 2 = 7$



2. (b)  $15 \div 3 = 5$

$$15 - 3 = 12$$

$$12 - 3 = 9$$

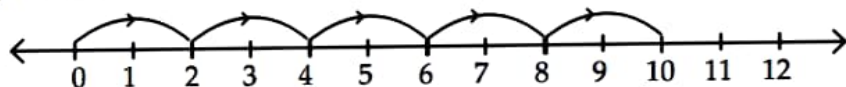
$$9 - 3 = 6$$

$$6 - 3 = 3$$

$$3 - 3 = 0$$

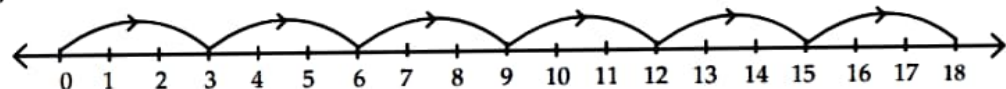
5 times

3. (a)  $10 \div 2 =$



As we move 5 times to reach at 10. Hence,  $10 \div 2 = 5$

(b)  $18 \div 3 =$



As we move 6 times to reach at 18. Hence  $18 \div 3 = 6$

#### Exercise 6B

1. (a)  $8 \times 4 = 32$

$32 \div 8 = 4$
$32 \div 4 = 8$

(b)  $9 \times 3 = 27$

$27 \div 9 = 3$
$27 \div 3 = 9$

(c)  $4 \times 6 = 24$

$24 \div 4 = 6$
$24 \div 6 = 4$

(d)  $6 \times 11 = 66$

$66 \div 6 = 11$
$66 \div 11 = 6$

(e)  $4 \times 9 = 36$

$36 \div 4 = 9$
$36 \div 9 = 4$

(f)  $7 \times 8 = 56$

$56 \div 7 = 8$
$56 \div 8 = 7$

2. (a)  $63 \div 7 = 9$       (b)  $9 \div 9 = 1$       (c)  $72 \div 8 = 9$   
 $9 \times 7 = 63$        $9 \times 1 = 9$        $9 \times 8 = 72$   
 (d)  $55 \div 5 = 11$       (e)  $70 \div 7 = 10$       (f)  $24 \div 3 = 8$   
 $11 \times 5 = 55$        $10 \times 7 = 70$        $8 \times 3 = 24$   
 (g)  $36 \div 3 = 12$       (h)  $48 \div 6 = 8$       (i)  $90 \div 9 = 10$   
 $12 \times 3 = 36$        $8 \times 6 = 48$        $10 \times 9 = 90$

### Exercise 6C

1. (a)  $\boxed{8}$       (b)  $\boxed{14}$       (c)  $\boxed{43}$       (d)  $\boxed{1}$   
 (e)  $\boxed{1}$       (f)  $\boxed{1}$       (g)  $\boxed{27}$       (h)  $\boxed{16}$   
 (i)  $\boxed{0}$       (j)  $\boxed{17}$       (k)  $\boxed{1}$       (l)  $\boxed{0}$
2. (i) (a) 0      (ii) (c) 1

### Exercise 6D

1. (a) 
$$\begin{array}{r} 13 \\ 3 \overline{)39} \\ \underline{-39} \\ 0 \end{array}$$

**Check:**  
 Since,  $13 \times 3 = 39$   
 Hence, answer  
 is correct.

(b) 
$$\begin{array}{r} 21 \\ 4 \overline{)84} \\ \underline{-84} \\ 0 \end{array}$$

**Check:**  
 Since,  $21 \times 4 = 84$   
 Hence answer  
 is correct.

(c) 
$$\begin{array}{r} 11 \\ 5 \overline{)55} \\ \underline{-55} \\ 0 \end{array}$$

**Check:**  
 Since,  $11 \times 5 = 55$   
 Hence, answer  
 is correct.

(d) 
$$\begin{array}{r} 11 \\ 7 \overline{)77} \\ \underline{-77} \\ 0 \end{array}$$

**Check:**  
 Since,  $11 \times 7 = 77$   
 Hence, answer  
 is correct.

(e) 
$$\begin{array}{r} 12 \\ 4 \overline{)48} \\ \underline{-48} \\ 0 \end{array}$$

**Check:**  
 Since,  $12 \times 4 = 48$   
 Hence, answer  
 is correct.

(f) 
$$\begin{array}{r} 11 \\ 6 \overline{)66} \\ \underline{-66} \\ 0 \end{array}$$

**Check:**  
 Since,  $11 \times 6 = 66$   
 Hence, answer  
 is correct.

$$(g) \begin{array}{r} 42 \\ 2 \overline{)84} \\ \underline{-8\downarrow} \\ 04 \\ \underline{-4} \\ 0 \end{array}$$

**Check:**  
Since,  $42 \times 2 = 84$   
Hence, answer  
is correct.

$$(h) \begin{array}{r} 12 \\ 3 \overline{)36} \\ \underline{-3\downarrow} \\ 06 \\ \underline{-6} \\ 0 \end{array}$$

**Check:**  
Since,  $12 \times 3 = 36$   
Hence, answer  
is correct.

$$(i) \begin{array}{r} 21 \\ 2 \overline{)42} \\ \underline{-4\downarrow} \\ 02 \\ \underline{-2} \\ 0 \end{array}$$

**Check:**  
Since,  $21 \times 2 = 42$   
Hence, answer  
is correct.

$$2. (a) \begin{array}{r} 33 \\ 2 \overline{)66} \\ \underline{-6\downarrow} \\ 06 \\ \underline{-6} \\ 0 \end{array}$$

$$(b) \begin{array}{r} 11 \\ 8 \overline{)88} \\ \underline{-8\downarrow} \\ 08 \\ \underline{-8} \\ 0 \end{array}$$

$$(c) \begin{array}{r} 31 \\ 3 \overline{)93} \\ \underline{-9\downarrow} \\ 03 \\ \underline{-3} \\ 0 \end{array}$$

$$(d) \begin{array}{r} 11 \\ 4 \overline{)44} \\ \underline{-4\downarrow} \\ 04 \\ \underline{-4} \\ 0 \end{array}$$

### Exercise 6E

$$1. (a) \begin{array}{r} 222 \\ 2 \overline{)444} \\ \underline{-4\downarrow} \\ 04 \\ \underline{-4\downarrow} \\ 04 \\ \underline{-4} \\ 0 \end{array}$$

Ans: 222

$$(b) \begin{array}{r} 231 \\ 3 \overline{)693} \\ \underline{-6\downarrow} \\ 09 \\ \underline{-9\downarrow} \\ 03 \\ \underline{-3} \\ 0 \end{array}$$

Ans: 231

$$(c) \begin{array}{r} 101 \\ 5 \overline{)505} \\ \underline{-5\downarrow\downarrow} \\ 005 \\ \underline{-5} \\ 0 \end{array}$$

Ans: 101

$$(d) \begin{array}{r} 133 \\ 3 \overline{)399} \\ \underline{-3} \phantom{0} \phantom{0} \\ 09 \phantom{0} \\ \underline{-9} \phantom{0} \\ 09 \\ \underline{-9} \\ 0 \end{array} \text{ Ans: 133}$$

$$(e) \begin{array}{r} 302 \\ 2 \overline{)604} \\ \underline{-6} \phantom{0} \phantom{0} \\ 004 \\ \underline{-4} \\ 0 \end{array} \text{ Ans: 302}$$

$$(f) \begin{array}{r} 300 \\ 3 \overline{)900} \\ \underline{-9} \phantom{0} \phantom{0} \\ 000 \end{array} \text{ Ans: 300}$$

$$(g) \begin{array}{r} 1210 \\ 4 \overline{)4840} \\ \underline{-4} \phantom{0} \phantom{0} \phantom{0} \\ 08 \phantom{0} \phantom{0} \\ \underline{-8} \phantom{0} \phantom{0} \\ 04 \phantom{0} \\ \underline{-4} \\ 00 \end{array} \text{ Ans: 1210}$$

$$(h) \begin{array}{r} 2131 \\ 3 \overline{)6393} \\ \underline{-6} \phantom{0} \phantom{0} \phantom{0} \\ 03 \phantom{0} \phantom{0} \\ \underline{-3} \phantom{0} \phantom{0} \\ 09 \phantom{0} \\ \underline{-9} \\ 03 \\ \underline{-3} \\ 0 \end{array} \text{ Ans: 2131}$$

$$(i) \begin{array}{r} 1110 \\ 5 \overline{)5550} \\ \underline{-5} \phantom{0} \phantom{0} \phantom{0} \\ 05 \phantom{0} \phantom{0} \\ \underline{-5} \phantom{0} \phantom{0} \\ 05 \phantom{0} \\ \underline{-5} \\ 00 \end{array} \text{ Ans: 1110}$$

$$(j) \begin{array}{r} 4200 \\ 2 \overline{)8400} \\ \underline{-8} \phantom{0} \phantom{0} \phantom{0} \\ 04 \phantom{0} \phantom{0} \\ \underline{-4} \\ 000 \end{array} \text{ Ans: 4200}$$

$$(k) \begin{array}{r} 3000 \\ 3 \overline{)9000} \\ \underline{-9} \phantom{0} \phantom{0} \phantom{0} \\ 0000 \end{array} \text{ Ans: 3000}$$

$$(l) \begin{array}{r} 2021 \\ 4 \overline{)8084} \\ \underline{-8} \phantom{0} \phantom{0} \phantom{0} \\ 008 \phantom{0} \\ \underline{-8} \\ 04 \\ \underline{-4} \\ 0 \end{array} \text{ Ans: 2021}$$

$$2. (a) \begin{array}{r} 3002 \\ 3 \overline{)9006} \\ \underline{-9} \phantom{0} \phantom{0} \phantom{0} \\ 0006 \\ \underline{-6} \\ 0 \end{array} \text{ Ans: 3002}$$

$$(b) \begin{array}{r} 222 \\ 3 \overline{)666} \\ \underline{-6} \phantom{0} \phantom{0} \\ 06 \phantom{0} \\ \underline{-6} \\ 06 \\ \underline{-6} \\ 0 \end{array} \text{ Ans: 222}$$

$$(c) \begin{array}{r} 333 \\ 3 \overline{)999} \\ \underline{-9} \phantom{0} \phantom{0} \\ 09 \phantom{0} \\ \underline{-9} \phantom{0} \\ 09 \\ \underline{-9} \\ 0 \end{array} \text{ Ans: 333}$$

$$(d) \begin{array}{r} 2120 \\ 3 \overline{)6360} \\ \underline{-6} \phantom{0} \phantom{0} \phantom{0} \\ 03 \phantom{0} \phantom{0} \\ \underline{-3} \phantom{0} \phantom{0} \\ 06 \phantom{0} \\ \underline{-6} \\ 0 \end{array} \text{ Ans: 2120}$$

$$\begin{array}{r}
 \text{(e)} \quad \begin{array}{r} 2211 \\ 4 \overline{) 8844} \\ \underline{-8} \phantom{00} \\ 08 \phantom{00} \\ \underline{-8} \phantom{00} \\ 04 \phantom{00} \\ \underline{-4} \phantom{00} \\ 04 \\ \underline{-4} \\ 0 \end{array} \\
 \text{Ans: 2211}
 \end{array}$$

$$\begin{array}{r}
 \text{(f)} \quad \begin{array}{r} 2400 \\ 2 \overline{) 4800} \\ \underline{-4} \phantom{00} \\ 08 \phantom{00} \\ \underline{-8} \phantom{00} \\ 000 \end{array} \\
 \text{Ans: 2400}
 \end{array}$$

$$\begin{array}{r}
 \text{(g)} \quad \begin{array}{r} 111 \\ 7 \overline{) 777} \\ \underline{-7} \phantom{00} \\ 07 \phantom{00} \\ \underline{-7} \phantom{00} \\ 07 \\ \underline{-7} \\ 0 \end{array} \\
 \text{Ans: 111}
 \end{array}$$

$$\begin{array}{r}
 \text{(h)} \quad \begin{array}{r} 2011 \\ 4 \overline{) 8044} \\ \underline{-8} \phantom{00} \\ 04 \phantom{00} \\ \underline{-4} \phantom{00} \\ 04 \\ \underline{-4} \\ 0 \end{array} \\
 \text{Ans: 2011}
 \end{array}$$

$$\begin{array}{r}
 \text{(i)} \quad \begin{array}{r} 1011 \\ 5 \overline{) 5055} \\ \underline{-5} \phantom{00} \\ 005 \phantom{00} \\ \underline{-5} \phantom{00} \\ 05 \\ \underline{-5} \\ 0 \end{array} \\
 \text{Ans: 1011}
 \end{array}$$

$$\begin{array}{r}
 \text{(j)} \quad \begin{array}{r} 1403 \\ 2 \overline{) 2806} \\ \underline{-2} \phantom{00} \\ 08 \phantom{00} \\ \underline{-8} \phantom{00} \\ 006 \\ \underline{-6} \\ 0 \end{array} \\
 \text{Ans: 1403}
 \end{array}$$

$$\begin{array}{r}
 \text{(k)} \quad \begin{array}{r} 2000 \\ 4 \overline{) 8000} \\ \underline{-8} \phantom{00} \\ 0000 \end{array} \\
 \text{Ans: 2000}
 \end{array}$$

$$\begin{array}{r}
 \text{(l)} \quad \begin{array}{r} 123 \\ 3 \overline{) 369} \\ \underline{-3} \phantom{00} \\ 06 \phantom{00} \\ \underline{-6} \phantom{00} \\ 09 \\ \underline{-9} \\ 0 \end{array} \\
 \text{Ans: 123}
 \end{array}$$

### Exercise 6F

1. (a) 
$$\begin{array}{r} 3 \\ 3 \overline{)10} \\ \underline{-9} \\ 1 \end{array}$$
 **Check:** Divisor = 3, Quotient = 3, Remainder = 1  
Divisor  $\times$  Quotient + Remainder =  $3 \times 3 + 1 = 10$   
which is equal to dividend, so answer is correct.

(b) 
$$\begin{array}{r} 7 \\ 2 \overline{)15} \\ \underline{-14} \\ 1 \end{array}$$
 **Check:** Divisor = 2, Quotient = 7, Remainder = 1  
Divisor  $\times$  Quotient + Remainder =  $2 \times 7 + 1 = 15$   
which is equal to dividend, so answer is correct.

(c) 
$$\begin{array}{r} 21 \\ 3 \overline{)65} \\ \underline{-63} \\ 05 \\ \underline{-3} \\ 2 \end{array}$$
 **Check:** Divisor = 3, Quotient = 21, Remainder = 2  
Divisor  $\times$  Quotient + Remainder =  $3 \times 21 + 2 = 63 + 2 = 65$   
which is equal to dividend. So answer is correct.

(d) 
$$\begin{array}{r} 131 \\ 3 \overline{)394} \\ \underline{-39} \\ 09 \\ \underline{-9} \\ 04 \\ \underline{-3} \\ 1 \end{array}$$
 **Check:** Divisor = 3, Quotient = 131, Remainder = 1  
Divisor  $\times$  Quotient + Remainder  
=  $3 \times 131 + 1 = 393 + 1 = 394$   
which is equal to dividend. So, answer is correct.

(e) 
$$\begin{array}{r} 1323 \\ 2 \overline{)2647} \\ \underline{-26} \\ 06 \\ \underline{-6} \\ 04 \\ \underline{-4} \\ 07 \\ \underline{-6} \\ 1 \end{array}$$
 **Check:** Divisor = 2, Quotient = 1323, Remainder = 1  
Divisor  $\times$  Quotient + Remainder  
=  $2 \times 1323 + 1 = 2646 + 1 = 2647$   
which is equal to dividend. So, answer is correct.

$$(f) \begin{array}{r} 3211 \\ 3 \overline{)9635} \\ \underline{-9} \phantom{0} \phantom{0} \phantom{0} \\ 06 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-6} \phantom{0} \phantom{0} \phantom{0} \\ 03 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-3} \phantom{0} \phantom{0} \phantom{0} \\ 05 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-3} \phantom{0} \phantom{0} \phantom{0} \\ 2 \phantom{0} \phantom{0} \phantom{0} \end{array}$$

**Check:** Divisor = 3, Quotient = 3211, Remainder = 2

Divisor  $\times$  Quotient + Remainder

$$= 3 \times 3211 + 2 = 9633 + 2 = 9635$$

which is equal to dividend.

So, answer is correct.

$$2. (a) \begin{array}{r} 4321 \\ 2 \overline{)8643} \\ \underline{-8} \phantom{0} \phantom{0} \phantom{0} \\ 06 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-6} \phantom{0} \phantom{0} \phantom{0} \\ 04 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-4} \phantom{0} \phantom{0} \phantom{0} \\ 03 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-2} \phantom{0} \phantom{0} \phantom{0} \\ 1 \phantom{0} \phantom{0} \phantom{0} \end{array}$$

Quotient = 4321

Remainder = 1

$$(b) \begin{array}{r} 320 \\ 3 \overline{)962} \\ \underline{-9} \phantom{0} \phantom{0} \\ 06 \phantom{0} \phantom{0} \\ \underline{-6} \phantom{0} \phantom{0} \\ 02 \phantom{0} \phantom{0} \end{array}$$

Quotient = 320

Remainder = 2

$$(c) \begin{array}{r} 201 \\ 4 \overline{)807} \\ \underline{-8} \phantom{0} \phantom{0} \\ 007 \phantom{0} \\ \underline{-4} \phantom{0} \phantom{0} \\ 3 \phantom{0} \phantom{0} \end{array}$$

Quotient = 201

Remainder = 3

$$(d) \begin{array}{r} 3202 \\ 3 \overline{)9607} \\ \underline{-9} \phantom{0} \phantom{0} \phantom{0} \\ 06 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-6} \phantom{0} \phantom{0} \phantom{0} \\ 007 \phantom{0} \\ \underline{-6} \phantom{0} \phantom{0} \\ 1 \phantom{0} \phantom{0} \phantom{0} \end{array}$$

Quotient = 3202

Remainder = 1

$$(e) \begin{array}{r} 2013 \\ 2 \overline{)4027} \\ \underline{-40} \phantom{0} \phantom{0} \\ 2 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-2} \phantom{0} \phantom{0} \phantom{0} \\ 07 \phantom{0} \phantom{0} \\ \underline{-6} \phantom{0} \phantom{0} \\ 1 \phantom{0} \phantom{0} \phantom{0} \end{array}$$

Quotient = 2013

Remainder = 1

$$(f) \begin{array}{r} 4130 \\ 2 \overline{)8261} \\ \underline{-8} \phantom{0} \phantom{0} \phantom{0} \\ 02 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-2} \phantom{0} \phantom{0} \phantom{0} \\ 06 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-6} \phantom{0} \phantom{0} \phantom{0} \\ 1 \phantom{0} \phantom{0} \phantom{0} \end{array}$$

Quotient = 4130

Remainder = 1

$$(g) \begin{array}{r} 2002 \\ 4 \overline{)8009} \\ \underline{-8} \phantom{0} \phantom{0} \phantom{0} \\ 0009 \phantom{0} \\ \underline{-8} \phantom{0} \phantom{0} \phantom{0} \\ 1 \phantom{0} \phantom{0} \phantom{0} \end{array}$$

Quotient = 2002

Remainder = 1

$$(h) \begin{array}{r} 110 \\ 9 \overline{)996} \\ \underline{-9} \phantom{0} \phantom{0} \\ 09 \phantom{0} \phantom{0} \\ \underline{-9} \phantom{0} \phantom{0} \\ 6 \phantom{0} \phantom{0} \end{array}$$

Quotient = 110

Remainder = 6

$$(i) \begin{array}{r} 121 \\ 3 \overline{)365} \\ \underline{-3} \phantom{0} \phantom{0} \\ 06 \phantom{0} \phantom{0} \\ \underline{-6} \phantom{0} \phantom{0} \\ 05 \phantom{0} \phantom{0} \\ \underline{-3} \phantom{0} \phantom{0} \\ 2 \phantom{0} \phantom{0} \end{array}$$

Quotient = 121

Remainder = 2



$$\begin{array}{r}
 2322 \\
 3 \overline{)6968} \\
 \underline{-6} \phantom{0} \phantom{0} \phantom{0} \\
 09 \phantom{0} \phantom{0} \phantom{0} \\
 \underline{-9} \phantom{0} \phantom{0} \phantom{0} \\
 06 \phantom{0} \phantom{0} \phantom{0} \\
 \underline{-6} \phantom{0} \phantom{0} \phantom{0} \\
 08 \phantom{0} \phantom{0} \phantom{0} \\
 \underline{-6} \phantom{0} \phantom{0} \phantom{0} \\
 2
 \end{array}$$

Quotient = 2322  
Remainder = 2

$$\begin{array}{r}
 110 \\
 5 \overline{)554} \\
 \underline{-5} \phantom{0} \phantom{0} \\
 05 \phantom{0} \phantom{0} \\
 \underline{-05} \phantom{0} \phantom{0} \\
 04 \phantom{0} \phantom{0} \\
 \underline{-0} \phantom{0} \phantom{0} \\
 4
 \end{array}$$

Quotient = 110  
Remainder = 4

$$\begin{array}{r}
 122 \\
 4 \overline{)489} \\
 \underline{-4} \phantom{0} \phantom{0} \\
 08 \phantom{0} \phantom{0} \\
 \underline{-8} \phantom{0} \phantom{0} \\
 09 \phantom{0} \phantom{0} \\
 \underline{-8} \phantom{0} \phantom{0} \\
 1
 \end{array}$$

Quotient = 122  
Remainder = 1

### Exercise 6G

$$\begin{array}{r}
 2 \\
 10 \overline{)25} \\
 \underline{-20} \\
 5
 \end{array}$$

Quotient = 2  
Remainder = 5

$$\begin{array}{r}
 35 \\
 10 \overline{)351} \\
 \underline{-35} \\
 1
 \end{array}$$

Quotient = 35  
Remainder = 1

$$\begin{array}{r}
 77 \\
 10 \overline{)777} \\
 \underline{-70} \\
 77
 \end{array}$$

Quotient = 77  
Remainder = 7

$$\begin{array}{r}
 64 \\
 10 \overline{)640} \\
 \underline{-60} \\
 40 \\
 \underline{-40} \\
 00
 \end{array}$$

Quotient = 64  
Remainder = 0

$$\begin{array}{r}
 41 \\
 10 \overline{)415} \\
 \underline{-40} \\
 15 \\
 \underline{-10} \\
 05
 \end{array}$$

Quotient = 41  
Remainder = 5

$$\begin{array}{r}
 56 \\
 10 \overline{)565} \\
 \underline{-50} \\
 65 \\
 \underline{-60} \\
 05
 \end{array}$$

Quotient = 56  
Remainder = 5

$$\begin{array}{r}
 8 \\
 100 \overline{)835} \\
 \underline{-800} \\
 35
 \end{array}$$

Quotient = 8  
Remainder = 35

$$\begin{array}{r}
 4 \\
 100 \overline{)467} \\
 \underline{-400} \\
 67
 \end{array}$$

Quotient = 4  
Remainder = 67

$$\begin{array}{r}
 19 \\
 100 \overline{)1919} \\
 \underline{-100} \\
 919 \\
 \underline{-900} \\
 19
 \end{array}$$

Quotient = 19  
Remainder = 19

$$(d) \begin{array}{r} 2 \\ 100 \overline{)2005} \\ \underline{-200} \phantom{0} \\ 05 \end{array}$$

Quotient = 2  
Remainder = 5

$$(e) \begin{array}{r} 31 \\ 100 \overline{)3154} \\ \underline{-300} \phantom{0} \\ 154 \\ \underline{-100} \\ 54 \end{array}$$

Quotient = 31  
Remainder = 54

$$(f) \begin{array}{r} 98 \\ 100 \overline{)9890} \\ \underline{-900} \phantom{0} \\ 890 \\ \underline{-800} \\ 90 \end{array}$$

Quotient = 98  
Remainder = 90

3. (a) 
$$\begin{array}{r} 9 \\ 1000 \overline{)9000} \\ \underline{-9000} \\ 0 \end{array}$$

Quotient = 9  
Remainder = 0

(b) 
$$\begin{array}{r} 2 \\ 1000 \overline{)2959} \\ \underline{-2000} \\ 959 \end{array}$$

Quotient = 2  
Remainder = 959

(c) 
$$\begin{array}{r} 3 \\ 1000 \overline{)3435} \\ \underline{-3000} \\ 435 \end{array}$$

Quotient = 3  
Remainder = 435

(d) 
$$\begin{array}{r} 8 \\ 1000 \overline{)8888} \\ \underline{-8000} \\ 888 \end{array}$$

Quotient = 8  
Remainder = 888

(e) 
$$\begin{array}{r} 1 \\ 1000 \overline{)1009} \\ \underline{-1000} \\ 9 \end{array}$$

Quotient = 1  
Remainder = 9

(f) 
$$\begin{array}{r} 7 \\ 1000 \overline{)7348} \\ \underline{-7000} \\ 348 \end{array}$$

Quotient = 7  
Remainder = 348

4. (a) 

Th	H	T	O
8	6	5	<u>4</u>

The digit '4' at the ones place is remainder and 865 is the quotient.  
(Division rule by "10")

(b) 

Th	H	T	O
	<u>5</u>	6	4

The digits at the tens and ones place i.e. "64" is the remainder.  
And remaining part of the number i.e. "5" is the quotient.

(c) 

Th	H	T	O
1	3	4	7

The digits at the tens and ones place i.e. "47" is the remainder.  
And remaining part of the number i.e. "13" is the quotient.

(d) 

Th	H	T	O
5	3	7	9

The digits at the tens and ones place i.e. "79" is the remainder.  
And remaining part of the number i.e. "53" is the quotient.

(e) 

Th	H	T	O
5	2	0	0

The digits at the tens and ones place i.e. "0" is the remainder.  
And remaining part of the number i.e. "52" is the quotient.

(f) 

Th	H	T	O
	6	8	7

The digits at the ones place i.e. 7 is the remainder.  
And remaining part of the number i.e. "68" is the quotient.

(g) 

Th	H	T	O
8	6	5	4

The digits at the hundreds, tens and ones place i.e. "654" is the remainder.

And remaining part of the number i.e. "8" is the quotient.

(h) 

Th	H	T	O
2	8	4	5

The digits at the hundreds, tens and ones place i.e. "845" is the remainder.

And the remaining part of the number i.e. "2" is the quotient.

(i) 

Th	H	T	O
	7	6	3

The digits at ones place i.e. "3" is the remainder.

And the remaining part of the number i.e. "76" is the quotient.

$$\begin{array}{cccc}
 \text{(j)} & \text{Th} & \text{H} & \text{T} & \text{O} \\
 & \textcircled{9} & \underline{0} & \underline{0} & \underline{0}
 \end{array}$$

The digits at the hundreds, tens and ones place i.e. "000" or "0" is the remainder.

And the remaining part of the number i.e. "9" is the quotient.

$$\begin{array}{cccc}
 \text{(k)} & \text{Th} & \text{H} & \text{T} & \text{O} \\
 & \textcircled{4} & \textcircled{8} & \underline{3} & \underline{2}
 \end{array}$$

The digits at tens and ones place i.e. "32" is the remainder.

And remaining part of the number i.e "48" is the quotient.

$$\begin{array}{cccc}
 \text{(l)} & \text{Th} & \text{H} & \text{T} & \text{O} \\
 & \textcircled{2} & \underline{7} & \underline{7} & \underline{4}
 \end{array}$$

The digits at the hundreds, tens and ones place i.e. "774" is the remainder.

And the remaining part of the number i.e. "2" is the quotient.

### Exercise 6H

1. 1 week = 7 days

In 7 days, no. of pizzas sold = 49

In one day no. of pizzas sold =  $49 \div 7 = 7$  pizzas

$$\begin{array}{r}
 7 \\
 7 \overline{)49} \\
 \underline{-49} \\
 0
 \end{array}$$

2. Total no. of plants = 497

In one row no. of plants = 7

Thus, no. of rows =  $497 \div 7 = 71$ .

$$\begin{array}{r}
 71 \\
 7 \overline{)497} \\
 \underline{-49} \\
 07 \\
 \underline{-7} \\
 0
 \end{array}$$

3. Total no. of muffins = 360

In one box, no. of muffins = 4

Thus, no. of boxes =  $360 \div 4 = 90$  boxes.

$$\begin{array}{r}
 90 \\
 4 \overline{)360} \\
 \underline{-36} \\
 00
 \end{array}$$

4. Total no. of fishes = 56  
 In one tank, no. of fishes = 7  
 Thus, no. of fish tank =  $56 \div 7 = 8$

$$\begin{array}{r} 8 \\ 7 \overline{)56} \\ -56 \\ \hline 0 \end{array}$$

5. Total money collected = ₹ 284  
 Cost of one ticket = ₹ 4  
 Thus, no. of tickets =  $284 \div 4 = 71$

$$\begin{array}{r} 71 \\ 4 \overline{)284} \\ -28 \\ \hline 04 \\ -4 \\ \hline 0 \end{array}$$

6. In 1 day, cow gives milk = 11 litres  
 Total quantity of milk = 2244 litres  
 Thus, no. of days =  $2244 \div 11 = 204$

$$\begin{array}{r} 204 \\ 11 \overline{)2244} \\ -22 \downarrow \downarrow \\ \hline 044 \\ -44 \\ \hline 0 \end{array}$$

7. Number of books in shelves = 864  
 Number of shelves = 9  
 Number of books in each shelf =  $864 \div 9 = 96$

$$\begin{array}{r} 96 \\ 9 \overline{)864} \\ -81 \downarrow \\ \hline 54 \\ -54 \\ \hline 0 \end{array}$$

8. Total length of rope = 192 m  
 Number of students = 8  
 Thus, each student will get  $192 \div 8 = 24$  m length of rope.

$$\begin{array}{r} 24 \\ 8 \overline{)192} \\ -16 \downarrow \\ \hline 32 \\ -32 \\ \hline 0 \end{array}$$

9. A bottle of juice costs = ₹ 9  
 Total money = ₹ 1835  
 Thus, number of bottles which can be bought by ₹ 1835 =  $1835 \div 9 = 203$   
 Number of bottle juice bought from ₹ 1835 = 203  
 And money left after purchase = ₹ 8

$$\begin{array}{r} 203 \\ 9 \overline{)1835} \\ -18 \downarrow \downarrow \\ \hline 35 \\ -27 \\ \hline 8 \end{array}$$

10. Total number of Apples = 920  
 Total number of boxes = 8  
 Thus, number of apples in  
 each box =  $920 \div 8 = 115$

$$\begin{array}{r} 115 \\ 8 \overline{)920} \\ \underline{-8} \phantom{0} \\ 12 \phantom{0} \\ \underline{-8} \phantom{0} \\ 40 \\ \underline{-40} \\ 0 \end{array}$$

### Review Time

1. 9 and 7 are the factors of 63.

i.e.  $9 \times 7 = 63$

2.  $29 \div \boxed{1} = 29$

3. 
$$\begin{array}{r} 141 \\ 5 \overline{)705} \\ \underline{-5} \phantom{0} \\ 20 \phantom{0} \\ \underline{-20} \phantom{0} \\ 5 \\ \underline{-5} \\ 0 \end{array}$$

Quotient = 141

4. (a) 
$$\begin{array}{r} 68 \\ 10 \overline{)688} \\ \underline{-60} \phantom{0} \\ 88 \\ \underline{-80} \\ 8 \end{array}$$

Quotient = 68

Remainder = 8

(b) 
$$\begin{array}{r} 75 \\ 100 \overline{)7543} \\ \underline{-700} \phantom{0} \\ 543 \\ \underline{-500} \\ 43 \end{array}$$

Quotient = 75

Remainder = 43

5. Th H T O  
 (9) 4 3 2

The digits at the place of hundreds, tens and ones i.e. "432" is the remainder.

And remaining part of the number i.e. "9" is the quotient.

6. 
$$\begin{array}{r} 157 \\ 5 \overline{)785} \\ \underline{-5} \phantom{0} \\ 28 \phantom{0} \\ \underline{-25} \phantom{0} \\ 35 \\ \underline{-35} \\ 0 \end{array}$$

Quotient = 157

Remainder = 0