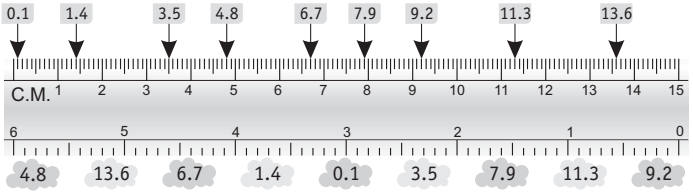
2. Write these decimals in figures.

Ans.

a.	two tenths	= **0.2**	b.	nine tenths	= **0.9**
c.	seven tenths	= **0.7**	d.	six tenths	**= 0.6**
e.	one and three tenths	= **1.3**	f.	two and one tenth	= **2.1**

3. Write the decimals for the points marked on the scale. Choose from the clouds :

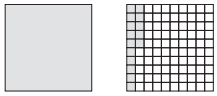
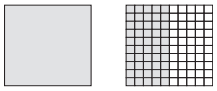
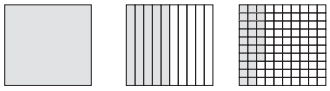
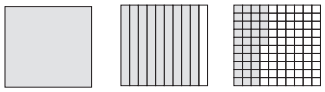
Ans.



Exercise 6.2

1. Complete the table for the coloured part :

Ans.

	Coloured Parts	Decimal form	Read as
a.		1.15	one and fifteen hundredths
b.		1.50	one and fifty-hundredths
c.		1.77	one and seventy seven hundredths
d.		2.25	Two and twenty-five hundredths

2. Write as decimals :

Ans.

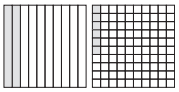
a.	two hundredths	**0.02**
b.	one and three hundredths	**1.03**
c.	twenty-four and thirty-six hundredths	**24.36**
d.	eighty-nine and sixty-four hundredths	**89.64**

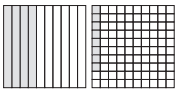
3. In the number of 24, 68, the digit <u>6</u> is in the tenths place, <u>4</u> is in the ones place, 2 is the <u>tens</u> place and 8 is in the <u>hundredths</u> place.

Exercise 6.3

1. Write the decimal for the coloured parts.

Ans. a.  **2.5**

b.  **0.26**

c.  **0.48**

2. Write the decimal number.

Ans. a. twelve and two tenths **12.2**
b. two and seven thousandths **2.007**
c. three and fifty-four hundredths **3.54**
d. one and ninety-nine thousandths **1.099**
e. twenty and twenty-five thousandths **20.025**
f. five and two hundred sixty thousandths **5.260**
g. eight and one hundred twenty-five thousandths **8.125**
h. sixteen and two thousandths **16.002**

3. For 295.781, write the digit in the

Ans. a. tens place (9) b. tenths place. (7)
c. hundreds place. (2) d. hundredths place. (8)
e. ones place. (5) f. thousandths place. (1)

4. Build a decimal number with

Ans. a.

T	O	·	t	h	th
4	2	·	6		

b.

T	O	·	t	h	th
	3	·	0	5	

c.

O	·	t	h	th
0	·	0	8	6

Exercise 6.4

1. Convert into decimals.

Ans. a. $\frac{7}{100} = 0.07$ b. $\frac{5}{100} = 0.05$ c. $\frac{64}{100} = 0.64$ d. $\frac{32}{1000} = 0.032$
e. $\frac{175}{100} = 1.75$ f. $\frac{9}{1000} = 0.009$ g. $\frac{378}{1000} = 0.378$ h. $\frac{1964}{1000} = 1.964$

2. Convert into fractions.

Ans. a. $8.01 = \frac{801}{100}$ b. $6.35 = \frac{6.35}{1.00} = \frac{635}{100} = \frac{127}{20}$ c. $4.001 = \frac{4001}{1000}$
d. $16.8 = \frac{168}{10} = \frac{84}{5}$ e. $0.008 = \frac{0008}{1000} = \frac{1}{125}$ f. $0.01 = \frac{001}{100} = \frac{1}{100}$
g. $5.809 = \frac{5809}{1000}$ h. $20.02 = \frac{2002}{100} = \frac{1001}{50}$

3. Write a decimal for each of the following.

Ans. a. $1 + \frac{4}{10} = 1 + 0.4 = 1.4$
b. $\frac{6}{10} + \frac{4}{100} = 0.6 + 0.04 = 0.64$
c. $\frac{5}{10} + \frac{3}{100} + \frac{1}{1000}$
$= 0.5 + 0.03 + 0.001 = 0.531$
d. $40 + 1 + \frac{3}{100}$
$= 40 + 1 + 0.03 = 41.03$
e. $50 + 1 + \frac{7}{1000}$
$= 50 + 1 + 0.007 = 51.007$
f. $7 + \frac{2}{10} + \frac{9}{100} + \frac{3}{1000}$
$= 7 + 0.2 + 0.09 + 0.003 = 7.293$
g. $6 + \frac{1}{10} + \frac{3}{1000}$
$= 6 + 0.1 + 0.003 = 6.103$
h. $10 + 9 + \frac{2}{100} + \frac{5}{1000}$
$= 10 + 9 + 0.02 + 0.005 = 19.025$

i. $\frac{5}{10} + \frac{9}{1000} = 0.5 + 0.009 = 0.509$

4. Write a decimal for each of the following.

Ans. a. $3 + 0.01 = 3.01$ b. $1 + 0.2 + 0.08 = 1.28$
c. $0.5 + 0.02 + 0.001 = 0.521$ d. $10 + 4 + 0.009 = 14.099$
e. $5 + 0.1 + 0.09 + 0.008 = 5.198$ f. $0.3 + 0.008 = 0.308$

5. Write the fractional expansion for each of the following.

Ans. a. 4.5

T	O	·	t	h
	4	·	5	

4.5 = 4 ones + 5 tenths
= fractional expansion
$= 4 + \frac{5}{10}$

b. 15.16

T	O	·	t	h	th
1	5	·	1	6	

15.16 = 1 ten + 5 ones + 1 tenth + 6 hundredths
$= 10 + 5 + \frac{1}{10} + \frac{6}{100}$

c. 0.235

T	O	·	t	h	th
	0	·	2	3	5

0.235 = 2 tenths + 3 hundreds + 5 thousandths
$= \frac{2}{10} + \frac{3}{100} + \frac{5}{1000}$

d. 7.123

T	O	·	t	h	th
	7	·	1	2	3

7.123 = 7 ones + 1 tenth + 2 hundredths + 3 thousandths
$= 7 + \frac{1}{10} + \frac{2}{100} + \frac{3}{1000}$

e. 9.107

O	·	t	h	th
9	·	1	0	7

9.107 = 9 ones + 1 tenth + 7 thousandths
$= 9 + \frac{1}{10} + \frac{7}{1000}$

f. 126.3

H	T	O	·	t	h	th
1	2	6	·	3		

126.3 = 1 hundreds + 2 tens + 6 ones + 3 tenths
$= 126 + \frac{3}{10}$

g. 2.308

O	·	t	h	th
2	·	3	0	8

2.308 = 2 ones + 3 tenths + 8 thousandths
$= 2 + \frac{3}{10} + \frac{8}{1000}$

h. 1.009

O	·	t	h	th
1	·	0	0	9

1'009 = 1 ones + 9 thousands
$= 1 + \frac{9}{1000}$

Exercise 6.5

1. Write the equivalent decimals :

Ans. a. $0.7 = 0.70 =$ **0.700** b. $1.5 = 1.50 =$ **1.500** c. $31.9 =$ **31.90** $= 31.900$
d. **0.5** $= 0.50 = 0.500$ e. $6.8 =$ **6.80** $= 6.800$ f. **4.2** $=$ **4.20** $= 4.200$

2. Tick (✓) the group which shows like decimals :

Ans. a. 8.4 8.41 8.1 b. 1.61 24.30 1.67 ✓ c. 7.145 8.954 ✓

3. Convert unlike decimals into like decimals.

Ans. a. 8.4 8.41

2 places

Unlike decimal 8.4 8.41

Like decimal 8.40 8.41

b. 1.61, 24.3, 1.678

3 places

Unlike decimal 1.61, 24.3, 1.678

Like decimal 1.610 24.300 1.678

c. 7.1, 7.01, 7.001

3 places

Unlike decimal 7.1, 7.01, 7.001

Like decimal 7.100, 7.010, 7.001

d. 30.4 42.61 100.123

3 places

Unlike decimal 30.4, 42.61, 100.123

Like decimal 30.400 42.610 100.123

e. 7.28 8 99.009

3 places

Unlike decimal 7.28 8 99.009

Lime decimal 7.280 8.000 99.009

f. 60.1 6.01 1.006

3 places

Unlike decimal 60.1 6.01 1.006

Like decimal 60.100 6.010 1.006

Exercise 6.6

1. Compare each pair of numbers and put >, < or = in the ◯.

Ans. a. 2.35 < 2.36 b. 0.3 > 0.2 c. 0.80 < 0.81

d. 5.3 < 5.4 e. 16.01 < 16.07 f. 6.6 = 6.60

g. 9.1 > 9.01 h. 0.275 < 1 i. 3.2 > 0.32

2. Rewrite the ascending order.

Ans. a. 1.1, 1.01, 0.11, 1.11

First we arrange the decimals on the place value chart

O	·	t	h	th
1	·	1		
1	·	0	1	
	·	1	1	
1	·	1	1	

We find that, 1.11 > 1.1 > 1.01 > .11

Thus, the ascending order = .11, 1.01, 1.1, 1.11

b. 2.04, 2.4, 2.24, 2.1

T	0	·	t	h	th
	2	·	0	4	
	2	·	4		
	2	·	2	4	
	2	·	1		

We find that, 2.4 > 2.24 > 2.1 > 2.04

Thus, the ascending order = 2.04, 2.1, 2.24, 2.4 **Ans.**

c. 0.5, 0.52, 0.25, 0.252

First we arrange the decimals on place value chart

O	·	t	h	th
0	·	5		

0	·	5	2	
0	·	2	5	
0	·	2	5	2

We find that, 0.52 > 0.5 > .252 > 0.25

Thus, the ascending order = 0.25, 0.252, 0.5, 0.52 Ans.

d. 21.1, 2.11, 0.211, 0.121

First we arrange the decimals on the place value chart

T	0	·	t	h	th
2	1	·	1		
	2	·	1	1	
	0	·	2	1	1
	0	·	1	2	1

We find that, 21.1 > 2.11 > 0.211 > 0.121

Thus, the ascending order = .121, 0.211, 2.11, 21.1 Ans.

e. 8.0, 0.08, 0.008, 0.80

First we arrange the decimals on the place value chart

O	·	t	h	th
8	·	0		
	·	0	8	
	·	0	0	8
	·	8	0	

We find that, 8.0 > 0.80 > 0.08 > 0.008

Thus, the ascending order = 0.008, 0.08, 0.80, 8.0 **Ans.**

f. 0.35, 3.5, 0.035, 35.0

First we arrange the decimals on the place value chart

T	0	·	t	h	th
	0	·	3	5	
	3	·	5		
	0	·	0	3	5
3	5	·	0		

We find that, 35 > 3.5 > 0.35 > 0.035

Thus, the ascending order = 0.035, 0.35, 3.5, 35 **Ans.**

3. Rewrite the descending order.

a. 6.4, 6.46, 0.646, 4.66

First we arrange the decimals on the place value chart

O	·	t	h	th
6	·	4		
6	·	4	6	
0	·	6	4	6
4	·	6	6	

We find that, 6.46 > 6.4 > 4.66 > 0.646

Thus, the descending order = 6.46, 6.4, 4.66, 0.646 **Ans.**

b. 7, 4.7, 7.4, 0.47

First we arrange the decimals on the place value chart

O	·	t	h	th
7	·	0		
4	·	7		
7	·	4		
0	·	4	7	

We find that, $7.4 > 7 > 4.7 > 0.47$

Thus, the descending order = 7.4, 7, 4.7, 0.47 **Ans.**

c. 9.21, 19.2, 2.91, 1.29

First we arrange the decimals on the place value chart

T	0	·	t	h	th
	9	·	2	1	
1	9	·	2		
	2	·	9	1	
	1	·	2	9	

We find that, $19.2 > 9.21 > 2.91 > 1.29$

Thus, the descending order = 19.2, 9.21, 2.91, 1.29 **Ans.**

d. 0.3, 0.41, 0.14, 0.03

First we arrange the decimals on the place value chart

O	·	t	h	th
	·	3		
	·	4	1	
	·	1	4	
	·	0	3	

We find that, $0.41 > 0.3 > 0.14 > 0.03$

Thus, the desending order = 0.41, 0.3, 0.14, 0.03 **Ans.**

e. 8.62, 86.2, 0.862, 862.0

	T	O	·	t	h	th
		8	·	6	2	
	8	6	·	2		
		0	·	8	6	2
8	6	2	·	0		

We find that, $862 > 86.2 > 8.62 > 0.862$

Thus, the ascending order = 862.0, 86.2, 8.62, 0.862 Ans.

f. 0.95, 9.5, 95.0, 0.095

First we arrange the decimals on the place value chart

T	0	·	t	h	th
		·	9	5	
	9	·	5		
9	5	·	0		
	0	·	0	9	5

We find that, 95 > 9.5 > 0.95 > 0.095
Thus, the desending order = 95, 9.5, 0.95, 0.095 **Ans.**

Exercise-6.7

1. Arrange in columns and add.

a. 19 + 3.87

$$\begin{array}{r} 19.00 \\ +\ 3.87 \\ \hline 22.87 \end{array}$$

b. 4.7 + 2.8

$$\begin{array}{r} {\scriptstyle 1} \\ 4.7 \\ 2.8 \\ \hline 7.5 \end{array}$$

c. 8.71 + 126.3

$$\begin{array}{r} {\scriptstyle 1\ 1} \\ 8.71 \\ 126.30 \\ \hline 135.01 \end{array}$$

d. 0.1 + 0.11 + 1

$$\begin{array}{r} 0.1 \\ 0.11 \\ 1.00 \\ \hline 1.21 \end{array}$$

e. 6.42 + 6.041 + 3.1

$$\begin{array}{r} 6.420 \\ 6.041 \\ 3.100 \\ \hline 15.561 \end{array}$$

f. 14.1 + 6.93 + 0.487

$$\begin{array}{r} {\scriptstyle 1\ 1\ 1} \\ 14.100 \\ 6.930 \\ 0.487 \\ \hline 21.517 \end{array}$$

2. Solve these word problems.

a. Distance travel by Mr Sharma before lunch = 36.8 km
Distance travel by Mr Sharma after lunch = 12.9 km
Total distance that he drove in the day = 49.7 km
Thus, he drove 49.7 km. **Ans.**

b. Cost of a tennis racket = ₹ 650.75
Cost of a box of six balls = ₹ 110.50
Total cost = ₹ 761.25
Thus, the total cost both the item is ₹ 761.25. **Ans.**

c. Distance that Rohan jumped in first round = 1.20
Distance that Rohan jumped in second round = 0.97
Distance that Rohan jumped in third round = 1.30
Total distance he jumped = 3.47
Thus, Rohan jumped 3.47 m in total.

Exercise-6.8

1. Subtract the following.

Ans. a. $\begin{array}{r} {\scriptstyle 4\ 14} \\ 0.544 \\ -\ 0.380 \\ \hline 0.164 \end{array}$ b. $\begin{array}{r} 14.93 \\ -\ 9.0 \\ \hline 5.93 \end{array}$ c. $\begin{array}{r} {\scriptstyle 5\ 9\ 9\ 10} \\ 16.000 \\ -\ 2.643 \\ \hline 13.357 \end{array}$ d. $\begin{array}{r} {\scriptstyle 8\ 9\ 10} \\ 27.900 \\ -20.035 \\ \hline 7.865 \end{array}$

2. Arrange in the columns and subtract.

Ans. a. 3.25 – 1.46

$$\begin{array}{r} 3.25 \\ -\ 1.46 \\ \hline 1.79 \end{array}$$

b. 7.85 – 1.39

$$\begin{array}{r} {\scriptstyle 7\ 15} \\ 7.85 \\ -\ 1.39 \\ \hline 6.46 \end{array}$$

c. 37.2 – 29.8

$$\begin{array}{r} {\scriptstyle 16\ 12} \\ 37.2 \\ -29.8 \\ \hline 7.4 \end{array}$$

d. 3.91 – 1.4

```
  3 . 9 1
– 1 . 4 0
---------
  2 . 5 1
```

e. 4.0 – 0.44

```
    3  9 10
  4 . 0  0
– 0 . 4  4
-----------
  3 . 5  6
```

f. 8 – 3.9

```
    7  10
  8 . 0
– 3 . 9
-------
  4 . 1
```

g. 1 – 0.05

```
  1 . 0 0
–   . 0 5
---------
  0 . 9 5
```

h. 16.423 – 7.243

```
     3 12
  1 6 . 4 2 3
–   7 . 2 4 3
-------------
    9 . 1 8 0
```

3. Solve these word problems.

Ans. a. We know that, speed is defined as the distance travelled by a person on a vehicle in an hour.

So, the speed of winning car = 57.2 km/h

the speed of second car = 52.9 km/h

On comparing we find 57.2 km/h > 52.9 km/h.

More speed ofwinning car = (57.2 – 52.9) km/h.

= 4.3 km/h

Thus, the winning car is 4.3 km/h faster than the second car.

b. Money that Rahul had = ₹ 100

Cost of baseball bat = ₹ 75.75

Money left with him = ₹ 100 – ₹ 75.75

= ₹ 24.25

Thus, ₹ 24.25 is left with him. **Ans.**

```
      4  15
Money that monu has =  ₹ 55.50
Money that he spent = – ₹ 27.00
                    = ₹ 28.50
```

Thus he was ₹ 28.50 left with him.

```
                 18
Cost of Ruskin bond book  =  ₹ 285.00
Money that Salman has saved = – ₹ 190.50
Money short to buy the box  =    94.50
```

Thus, she need to save ₹ 94.50 to buy the book. **Ans.**

```
                 4
Length of the string      =  5.5 m
Length of the she used    = – 3.2 5 m
String left with her      =   2.25 m
```

Thus, 2.25 m string left with her. **Ans.**

Exercise-6.9

1. Put the decimal point at the correct place in the given product :

Ans. a. $8 \times 0.2 = 16$

one decimal places

We put the decimal in the product after one place from the right.

So, $8 \times 0.2 = 1.6$ **Ans.**

b. $9 \times 0.03 = 27$
2 decimal places
We put the decimal point after 2 places from the right.
So, $9 \times 0.03 = 0.27$ **Ans.**

c. $1.05 \times 3 = 315$
2 decimal places
So, $1.05 \times 3 = 3.15$ **Ans.**

d. $50 \times 1.3 = 650$
one decimal place
So, $50 \times 1.3 = 65.0$ **Ans.**

e. $16 \times 0.04 = 64$
2 decimal place
So, $16 \times 0.04 = 0.64$ **Ans.**

f. $1.5 \times 7 = 105$
one decimal place
So, $1.5 \times 7 = 10.5$ **Ans.**

2. Find the product :

Ans. a. 1×0.2

$$\begin{array}{r} 0.2 \\ \times \quad 1 \\ \hline 0.2 \end{array}$$

b. 0.2×3

$$\begin{array}{r} 0.2 \\ \times \quad 3 \\ \hline 0.6 \end{array}$$

c. 12×0.1

$$\begin{array}{r} 0.12 \\ \times 0.1 \\ \hline 1.2 \end{array}$$

d. 0.11×3

$$\begin{array}{r} 0.11 \\ \times \quad 3 \\ \hline 0.33 \end{array}$$

e. 10×0.5

$$\begin{array}{r} 10 \\ \times 0.5 \\ \hline 5.0 \end{array}$$

f. 0.8×3

$$\begin{array}{r} 0.8 \\ \times \quad 3 \\ \hline 2.4 \end{array}$$

g. 0.06×5

$$\begin{array}{r} 0.06 \\ \times \quad 5 \\ \hline 0.30 \end{array}$$

h. 33×0.01

$$\begin{array}{r} 33 \\ \times 0.01 \\ \hline 33 \\ 000 \\ \hline 0.33 \end{array}$$

i. 0.22×2

$$\begin{array}{r} 0.22 \\ \times 0.22 \\ \hline 0.44 \end{array}$$

3. Multiply :

Ans. a. 7.08×15

$$\begin{array}{r} 7.08 \\ \times \quad 15 \\ \hline 3540 \\ 7080 \\ \hline 106.20 \end{array}$$

b. 9×3.45

$$\begin{array}{r} 3.45 \\ \times \quad 9 \\ \hline 31.05 \end{array}$$

c. 6×0.641

$$\begin{array}{r} 0.641 \\ \times \quad 6 \\ \hline 3.846 \end{array}$$

d. 33.7×5

$$\begin{array}{r} 33.7 \\ \times \quad 5 \\ \hline 168.5 \end{array}$$

e. 62.01×7

$$\begin{array}{r} 62.01 \\ \times \quad 7 \\ \hline 434.07 \end{array}$$

f. 48×0.08

$$\begin{array}{r} 0.08 \\ \times \quad 48 \\ \hline 064 \\ 0320 \\ \hline 3.84 \end{array}$$

g. 731×0.004

$$\begin{array}{r} 731 \\ 0.004 \\ \hline 2.924 \end{array}$$

h. 1.15×17

$$\begin{array}{r} 1.15 \\ \times \quad 17 \\ \hline 805 \\ 1150 \\ \hline 19.55 \end{array}$$

i. 12.24×3

$$\begin{array}{r} 12.24 \\ \times \quad 3 \\ \hline 36.72 \end{array}$$

j. 11×6.45

$$\begin{array}{r} 6.45 \\ \times \quad 11 \\ \hline 645 \\ 6450 \\ \hline 70.95 \end{array}$$

k. 11.11×9

$$\begin{array}{r} 11.11 \\ \times \quad 9 \\ \hline 99.99 \end{array}$$

l. 8×8.76

$$\begin{array}{r} 8.76 \\ \times \quad 8 \\ \hline 70.08 \end{array}$$

4. Solve these word problems :

Ans. a. ∵ Thickness of a science book = 4.5 cm

∴ Thickness of 5 such science book = (4.5 × 5) cm

= 22.5 cm

Thus, the thickness of 5 such book is 22.5 cm **Ans.**

b. ∵ Money saved by Suraj in 1 week = ₹ 8.75

∴ Money he will save in 10 weeks = ₹ 8.75 × 10

= ₹ 87.50

Thus, he will save ₹ 87.50 in 10 weeks.

c. ∵ The cost of a ticket = ₹ 25.50

∴ The cost of 15 tickets = ₹ 25.50 × 15 = ₹ 382.50

Thus, they pay ₹ 382.50 for entering the park.

Exercise-6.10

1. Put the decimal point in the correct place in the given product.

Ans. a. 1 . 0 1 × 0 . 2 = 2 0 2

2 place one palce

Total decimal places = 3

So we put the decimal point after three place from the right.

So, 1.01 × 0.2 = 0.202 **Ans.**

b. 1 . 6 × 0 . 5 = 80

one place one place

Total decimal places = 1 + 1 = 2

So put the decimal point after 2 places from the right.

So, 1.6 × 0.5 = 0.80 **Ans.**

c. 0 . 3 × 1 . 1 = 33

one place one place

Total decimal places = 2

We put the decimal point after two places from the right.

So, 0.3 × 1.1 = 0.33 **Ans.**

d. 2 . 4 × 0 . 9 = 216

one place one place

Total decimal places = 2

We put the decimal point after the two place from the right.

So, 2.4 × 0.9 = 2.16 **Ans.**

e. 7 . 3 × 0 . 0 3 = 219

one place 2 places

Total decimal places = 3

So we put the decimal point after the three place from the right.

So, 7.3 × 0.03 = 0.219 **Ans.**

f. 3 . 4 × 1 . 3 = 442

one place one place

Total decimal places = 2

So, we put the decimal point after the 2 places from the right.

So, $3.4 \times 1.3 = 4.42$ **Ans.**

2. Find the product.

Ans. a. 0.1×1.1

$$\begin{array}{r} 1.1 \\ \times\ 0.1 \\ \hline 0.11 \end{array}$$ 2 decimal places

b. 0.2×1.2

$$\begin{array}{r} 1.2 \\ \times\ .2 \\ \hline 0.24 \end{array}$$ 2 decimal places

c. 0.4×0.3

$$\begin{array}{r} 0.4 \\ \times\ 0.3 \\ \hline 0.12 \end{array}$$ 2 decimal places

d. 0.07×0.8

$$\begin{array}{r} 0.07 \\ \times\ .8 \\ \hline 0.056 \end{array}$$ 3 decimal places

e. 1.3×0.05

$$\begin{array}{r} 0.05 \\ \times\ 1.3 \\ \hline 015 \\ 0050 \\ \hline 0.065 \end{array}$$ 3 decimal places

f. 0.9×0.5

$$\begin{array}{r} 0.9 \\ \times\ 0.5 \\ \hline 0.45 \end{array}$$ 2 decimal places

3. Multiply the following.

Ans. a. 5.2×2.1

$$\begin{array}{r} 5.2 \\ \times 2.1 \\ \hline 52 \\ 1040 \\ \hline 10.92 \end{array}$$ 2 decimal places

b. 6.9×0.18

$$\begin{array}{r} 6.9 \\ \times\ .18 \\ \hline 552 \\ 690 \\ \hline 1.242 \end{array}$$ 3 decimal places

c. 4.9×3.6

$$\begin{array}{r} 4.9 \\ \times\ 3.6 \\ \hline 294 \\ 1470 \\ \hline 17.64 \end{array}$$ 2 decimal places

d. 9.4×0.13

$$\begin{array}{r} 9.4 \\ \times .13 \\ \hline 1.222 \end{array}$$ 3 decimal places

e. 24.2×2.8

$$\begin{array}{r} 24.2 \\ \times\ 2.8 \\ \hline 1936 \\ 4840 \\ \hline 67.76 \end{array}$$ 2 decimal places

f. 8.2×1.03

$$\begin{array}{r} 1.03 \\ \times\ 8.2 \\ \hline 206 \\ 8240 \\ \hline 8.446 \end{array}$$ 3 decimal places

g. 1.05×1.9

$$\begin{array}{r} 1.05 \\ \times\ 1.9 \\ \hline 945 \\ 1050 \\ \hline 1.995 \end{array}$$ 3 decimal places

h. 16.1×3.5

$$\begin{array}{r} 16.1 \\ \times 3.5 \\ \hline 805 \\ 4830 \\ \hline 56.35 \end{array}$$ 2 decimal places

Exercise 6.11

1. Write the product.

Ans. a. $1.63 \times 10 = \mathbf{16.3}$ b. $7.638 \times 100 = \mathbf{76.38}$ c. $5.942 \times 1000 = \mathbf{5942}$

d. $317.5 \times 10 = \mathbf{3175}$ e. $54.75 \times 100 = \mathbf{5475}$ f. $2.94 \times 1000 = \mathbf{2940}$

g. $0.045 \times 10 = \mathbf{0.45}$ h. $0.08 \times 100 = \mathbf{8}$ i. $1.4 \times 1000 = \mathbf{1400}$

2. Fill int the balnks :

Ans. $12.1 \times \mathbf{10} = 121$ b. $0.09 \times \mathbf{100} = 9$ c. $1.75 \times \mathbf{1000} = 1750$