ST. ANDREWS SCOTS SCHOOL

Adjacent Navniti Apartments,
I.P. Extension, Patparganj, Delhi-110092

Session: 2025-2026

Class: V **Subject: Mathematics** **Topic: Unit -7 (Decimal Numbers)**

Warm up + Decimal Number Tenths, Hundreds and Thousands place value and expanded form table

Page 79

Ex-1 Q.1, Q.2 (Book) Q.3 a,f,g,h Q.5 a,f,g,h Q.6 a,d Q.7 a,g,h (Notebook) Q.4 (Homework)

Ex -2 Q.1 (Book) Q.3 a,d Q.4 a,c Q.5 a,c (Notebook) Q.2 (Homework)

Ex -3 Q.1 a,g,h,i Q.2 a,f,g,h,I (Notebook)

Ex -4 Q.1 a,b,c Q.2 a,d Q.3 a,d Q.4 a,d (Notebook)

Ex -5 Q.1 a,c,d Q.2 a,d,e,I Q.3 , Q.5 (Notebook) Q.4 (Homework)

Ex -6 Q.1 a,c Q.2 a,d Q.4 (Notebook) Q.3 (Homework)

Worksheet

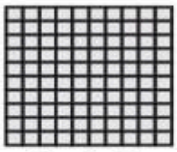
Lesson-7 : Decimal Numbers

Warm Up

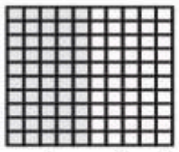
1. $\frac{2}{10}$ 2. $\frac{1}{10}$ 3. $\frac{3}{10}$

Exercise-1

1. (b)



1 whole



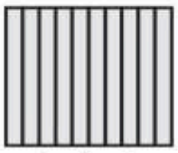
50 parts out of 100 equal parts are coloured.

$$\frac{50}{100} = 0.5$$

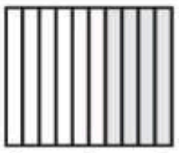
Decimal form : 1.5

Read as : One point five

(c)

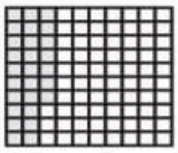


1 whole



4 parts out of 10 equal parts are coloured

$$\frac{4}{10} = 0.4$$



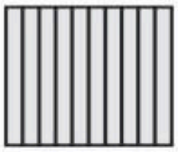
27 parts out of 100 equal parts are coloured

$$\frac{27}{100} = 0.27$$

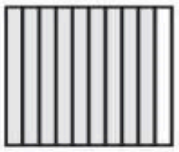
Decimal form : 1.67

Read as : One point six seven

(d)

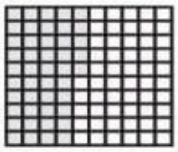


1 whole



9 parts out of 10 equal parts are coloured

$$\frac{9}{10} = 0.9$$



45 parts out of 100 equal parts are coloured

$$\frac{45}{100} = 0.45$$

Decimal form : 2.35

Read as : Two point three five

2. (a) 25.342 **(b)** 45.03 **(c)** 99.99

3. (a) Three and sixty-two-hundredths

(b) Four hundred fifty-seven-thousandths

(c) Nineteen and two hundred fifty-six-thousandths

(d) Five hundred thirty-five-thousandths

(e) Ninety-nine and ninety-nine-thousandths

(f) Eighty-five and eight-tenths

(g) Forty-eight and forty-five-hundredths

(h) One hundred sixty-five and twenty-seven-hundredths

4. The number line between 2.1 and 2.2 is divided into 10 equal parts. A

5. (a) Place value of $6 = 6 \times 1 = 6$,

Place value of $0 = 0 \times \frac{1}{10} = 0$,

Place value of $3 = 3 \times \frac{1}{100} = \frac{3}{100}$.

O		t	h
6	.	0	3

(b) Place value of $1 = 1 \times 10 = 10$,

Place value of $9 = 9 \times 1 = 9$,

Place value of $2 = 2 \times \frac{1}{10} = \frac{2}{10}$,

Place value of $5 = 5 \times \frac{1}{100} = \frac{5}{100}$.

T	O		t	h
1	9	.	2	5

(c) Place value of $4 = 4 \times 100 = 400$,

Place value of $3 = 3 \times 10 = 30$,

Place value of $5 = 5 \times 1 = 5$,

Place value of $0 = 0 \times \frac{1}{10} = 0$,

Place value of $7 = 7 \times \frac{1}{100} = \frac{7}{100}$,

Place value of $5 = 5 \times \frac{1}{1000} = \frac{5}{1000}$.

H	T	O		t	h	th
4	3	5	.	0	7	5

(d) Place value of $1 = 1 \times 1000 = 1000$,

Place value of $7 = 7 \times 100 = 700$,

Place value of $3 = 3 \times 10 = 30$,

Place value of $8 = 8 \times 1 = 8$,

Place value of $1 = 1 \times \frac{1}{10} = \frac{1}{10}$,

Place value of $3 = 3 \times \frac{1}{100} = \frac{3}{100}$,

Place value of $5 = 5 \times \frac{1}{1000} = \frac{5}{1000}$.

Th	H	T	O		t	h	th
1	7	3	8	.	1	3	5

(e) Place value of $3 = 3 \times 1000 = 3000$,

Place value of $5 = 5 \times 100 = 500$,

Place value of $4 = 4 \times 10 = 40$,

Place value of $7 = 7 \times 1 = 7$,

Place value of $1 = 1 \times \frac{1}{10} = \frac{1}{10}$,

Place value of $8 = 8 \times \frac{1}{100} = \frac{8}{100}$.

Th	H	T	O		t	h
3	5	4	7	.	1	8

(f) Place value of $7 = 7 \times 10 = 70$,

Place value of $2 = 2 \times 1 = 2$,

Place value of $0 = 0 \times \frac{1}{10} = 0$,

Place value of $7 = 7 \times \frac{1}{100} = \frac{7}{100}$,

Place value of $5 = 5 \times \frac{1}{1000} = \frac{5}{1000}$.

T	O		t	h	th
7	2	.	0	7	5

(g) Place value of $1 = 1 \times 10 = 10$,

Place value of $1 = 1 \times 1 = 1$,

Place value of $0 = 0 \times \frac{1}{10} = 0$,

Place value of $0 = 0 \times \frac{1}{100} = 0$,

Place value of $5 = 5 \times \frac{1}{1000} = \frac{5}{1000}$.

T	O		t	h	th
1	1	.	0	0	5

6. (a) $900 + 20 + 9 + \frac{9}{100} + \frac{2}{1000} = 900 + 20 + 9 + 0.09 + 0.002 = 929.092$

(b) $80 + \frac{2}{10} + \frac{4}{100} + \frac{6}{1000} = 80 + 0.2 + 0.04 + 0.006 = 80.246$

(c) $300 + 20 + 1 + 0.1 + 0.02 = 321.12$

(d) $50 + 5 + 0.5 + 0.05 + 0.005 = 55.555$

7. (a) $9.259 = 9 + 0.2 + 0.05 + 0.009$ (decimal form)

$= 9 + \frac{2}{10} + \frac{5}{100} + \frac{9}{1000}$ (fraction form)

(b) $32.54 = 30 + 2 + 0.5 + 0.04$ (decimal form)

$= 30 + 2 + \frac{5}{10} + \frac{4}{100}$ (fraction form)

(c) $247.06 = 200 + 40 + 7 + 0.06$ (decimal form)

$= 200 + 40 + 7 + \frac{6}{100}$ (fraction form)

(d) $0.875 = 0.8 + 0.07 + 0.005$ (decimal form)

$= \frac{8}{10} + \frac{7}{100} + \frac{5}{1000}$ (fraction form)

(e) $3547.18 = 3000 + 500 + 40 + 7 + 0.1 + 0.08$ (decimal form)

$= 3000 + 500 + 40 + 7 + \frac{1}{10} + \frac{8}{100}$ (fraction form)

(f) $72.075 = 70 + 2 + 0.07 + 0.005$ (decimal form)

$= 70 + 2 + \frac{7}{100} + \frac{5}{1000}$ (fraction form)

(g) $11.005 = 10 + 1 + 0.005$ (decimal form)

$= 10 + 1 + \frac{5}{1000}$ (fraction form)

(h) $927.729 = 900 + 20 + 7 + 0.7 + 0.02 + 0.009$ (decimal form)

$= 900 + 20 + 7 + \frac{7}{10} + \frac{2}{100} + \frac{9}{1000}$ (fraction form)

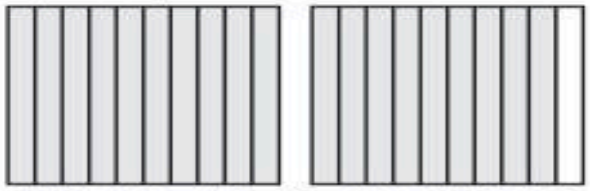
Exercise-2

1. (a) (ii) Converting the given decimals to like decimals, we get 2.25, 2.75, 2.50 and 2.15.
Since the whole number parts are same, so we compare the digits at the tenths place.
So, 2.75 is the greatest among these.

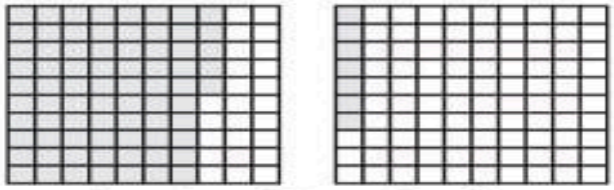
T	O	.	t	h
	2	.	2	5
	2	.	7	5
	2	.	5	0
	2	.	1	5

(b) (ii) Two equivalent decimals of 3.03 are 3.030 and 3.0300.

2. (a)



(b)



3. (a) Maximum number of decimal places in the given numbers is 3.
Thus, each of these decimals has to be converted to a decimal with three decimal places.
5.8 = 5.800, 79.25 = 79.250, 0.008
Thus, 5.800, 79.250 and 0.008 are required like decimals.

(b) Maximum number of decimal places in the given numbers is 3.
Thus, each of these decimals has to be converted to a decimal with three decimal places.
0.6 = 0.600, 3.519, 5.38 = 5.380, 9.7 = 9.700
Thus, 0.600, 3.519, 5.380 and 9.700 are required like decimals.

(c) Maximum number of decimal places in the given numbers is 3.
Thus, each of these decimals has to be converted to a decimal with three decimal places.

1.8 = 1.800, 0.07 = 0.070, 3.2 = 3.200, 2.026
Thus, 1.800, 0.070, 3.200 and 2.026 are required like decimals.

(d) Maximum number of decimal places in the given numbers is 3.
Thus, each of these decimals has to be converted to a decimal with three decimal places.
9.1 = 9.100, 31.37 = 31.370, 47.506, 130.358
Thus, 9.100, 31.370, 47.506 and 130.358 are required like decimals.

4. (a)

Decimal number	O	Point	t	h	th
0.9	0	.	9	0	0
0.009	0	.	0	0	9
0.09	0	.	0	9	0
9.09	9	.	0	9	0
0.99	0	.	9	9	0
9.9	9	.	9	0	0

So, the numbers in ascending order are as follows :
0.009, 0.09, 0.9, 0.99, 9.09, 9.9

(c)

Decimal number	Th	H	T	O	Point	t	h	th
8.585				8	.	5	8	5
85.85			8	5	.	8	5	0
585.8		5	8	5	.	8	0	0
58.58			5	8	.	5	8	0
8585	8	5	8	5	.	0	0	0

So, the numbers in ascending order are as follows :
8.585, 58.58, 85.85, 585.8, 8585

5. (a)

Decimal number	T	O	Point	t	h	th
87.6	8	7	.	6	0	0
78.6	7	8	.	6	0	0
67.8	6	7	.	8	0	0
6.78		6	.	7	8	0
7.68		7	.	6	8	0

So, the numbers in descending order are as follows :
87.6, 78.6, 67.8, 7.68, 6.78

(b)

Decimal number	H	T	O	Point	t	h
44.43		4	4	.	4	3
444.3	4	4	4	.	3	0
43.44		4	3	.	4	4
434.4	4	3	4	.	4	0
34.44		3	4	.	4	4

So, the numbers in descending order are as follows :
444.3, 434.4, 44.43, 43.44, 34.44

(c)

Decimal number	H	T	O	Point	t	h	th
0.7			0	.	7	0	0
11.7		1	1	.	7	0	0
7.11			7	.	1	1	0
11.07		1	1	.	0	7	0
17.011		1	7	.	0	1	1

So, the numbers in descending order are as follows :
17.011, 11.7, 11.07, 7.11, 0.7

Exercise-3

1. (a) 0.8 has 1 decimal place.

$$\therefore 0.8 = \frac{8}{10} = \frac{8 \div 2}{10 \div 2} = \frac{4}{5}$$

(b) 0.45 has 2 decimal places.

$$\therefore 0.45 = \frac{45}{100} = \frac{45 \div 5}{100 \div 5} = \frac{9}{20}$$

(c) 2.24 has 2 decimal places.

$$2.24 = \frac{\overset{112}{\cancel{224}}}{\underset{50}{\cancel{100}}} = \frac{\overset{56}{\cancel{112}}}{\underset{25}{\cancel{50}}} = \frac{56}{25} = 2\frac{6}{25}$$

(d) 3.75 has 2 decimal places.

$$3.75 = \frac{\overset{75}{\cancel{375}}}{\underset{20}{\cancel{100}}} = \frac{\overset{15}{\cancel{75}}}{\underset{4}{\cancel{20}}} = \frac{15}{4} = 3\frac{3}{4}$$

(e) 0.15 has 2 decimal places.

$$0.15 = \frac{\overset{3}{\cancel{15}}}{\underset{20}{\cancel{100}}} = \frac{3}{20}$$

(f) 1.16 has 2 decimal places.

$$1.16 = \frac{\overset{58}{\cancel{116}}}{\underset{50}{\cancel{100}}} = \frac{\overset{29}{\cancel{58}}}{\underset{25}{\cancel{50}}} = \frac{29}{25} = 1\frac{4}{25}$$

(g) 0.072 has 3 decimal places.

$$0.072 = \frac{\overset{36}{\cancel{72}}}{\underset{500}{\cancel{1000}}} = \frac{\overset{18}{\cancel{36}}}{\underset{250}{\cancel{500}}} = \frac{\overset{9}{\cancel{18}}}{\underset{125}{\cancel{250}}} = \frac{9}{125}$$

(h) 8.5 has 1 decimal place.

$$8.5 = \frac{\overset{17}{\cancel{85}}}{\underset{2}{\cancel{10}}} = \frac{17}{2} = 8\frac{1}{2}$$

(i) 4.25 has 2 decimal places.

$$4.25 = \frac{\overset{85}{\cancel{425}}}{\underset{20}{\cancel{100}}} = \frac{\overset{17}{\cancel{85}}}{\underset{4}{\cancel{20}}} = \frac{17}{4} = 4\frac{1}{4}$$

(j) 0.006 has 3 decimal places.

$$0.006 = \frac{\overset{3}{\cancel{6}}}{\underset{500}{\cancel{1000}}} = \frac{3}{500}$$

2. (a) $\frac{15}{10} = 1\frac{5}{10} = 1 + \frac{5}{10} = 1 + 0.5 = 1.5$

(b) $\frac{144}{100} = 1\frac{44}{100} = 1 + \frac{44}{100} = 1 + 0.44 = 1.44$

(c) $\frac{1056}{100} = 10\frac{56}{100} = 10 + \frac{56}{100} = 10 + 0.56 = 10.56$

(d) $\frac{999}{10} = 99\frac{9}{10} = 99 + \frac{9}{10} = 99 + 0.9 = 99.9$

(e) $8\frac{3}{4} = \frac{35}{4} = 8.75$

$$\begin{array}{r} 8.75 \\ 4\overline{)\,35.00} \\ -32 \\ \hline 30 \\ -28 \\ \hline 20 \\ -20 \\ \hline 0 \end{array}$$

(f) $\frac{9}{20} = \frac{9 \times 5}{20 \times 5} = \frac{45}{100} = 0.45$

(g) $\frac{11}{5} = \frac{11 \times 2}{5 \times 2} = \frac{22}{10} = 2\frac{2}{10} = 2 + \frac{2}{10} = 2 + 0.2 = 2.2$

(h) $\frac{42}{12} = \frac{21}{6} = \frac{7}{2} = \frac{7 \times 5}{2 \times 5} = \frac{35}{10} = 3\frac{5}{10} = 3 + \frac{5}{10} = 3 + 0.5 = 3.5$

(i) $8\frac{7}{8} = \frac{71}{8} = 8.875$

$$\begin{array}{r} 8.875 \\ 8\overline{)\,71.000} \\ -64 \\ \hline 70 \\ -64 \\ \hline 60 \\ -56 \\ \hline 40 \end{array}$$

Exercise-4

1. (a) (ii) Required number $= 70 - 56.48$

$= 70.00 - 56.48 = 13.52$

So, 13.52 should be added to 56.48 to get 70.

$$\begin{array}{r} {\scriptstyle 6\ 9}\quad {\scriptstyle 9\ 10} \\ 7\ 0\ .\ 0\ 0 \\ -\ 5\ 6\ .\ 4\ 8 \\ \hline 1\ 3\ .\ 5\ 2 \end{array}$$

(b) (iii) Total distance $= 1.150\text{ km} + 1.320\text{ km}$

$= 2.470\text{ km}$

Thus, Alia's house is 2.470 km far from her granny's house.

$$\begin{array}{r} 1.150 \\ +1.320 \\ \hline 2.470 \end{array}$$

(c) (iv) Required number $= 96.725 - 45.05$

$= 96.725 - 45.050 = 51.675$

So, 96.725 should be decreased by 51.675 to get 45.05.

$$\begin{array}{r} {\scriptstyle 6\ 12} \\ 9\ 6\ .\ 7\ 2\ 5 \\ -\ 4\ 5\ .\ 0\ 5\ 0 \\ \hline 5\ 1\ .\ 6\ 7\ 5 \end{array}$$

(d) (i) Required number $= 40 - 25.56$

$= 40.00 - 25.56 = 14.44$

So, 14.44 should be subtracted from 40 to get 25.56.

$$\begin{array}{r} {\scriptstyle 3\ 9}\quad {\scriptstyle 9\ 10} \\ 4\ 0\ .\ 0\ 0 \\ -\ 2\ 5\ .\ 5\ 6 \\ \hline 1\ 4\ .\ 4\ 4 \end{array}$$

2. (a)

$$\begin{array}{r} {\scriptstyle 1\ 1}\quad {\scriptstyle 1} \\ 288.17 \\ +\ 132.48 \\ \hline 420.65 \end{array}$$

$288.17 + 132.48 = 420.65$

(b) Converting to like decimals, we get

$164.7 = 164.700,$

$372.38 = 372.380,\ 89.287$

$164.7 + 372.38 + 89.287 = 626.367$

$$\begin{array}{r} {\scriptstyle 2\ 1\ 1\ 1} \\ 164.700 \\ 372.380 \\ +89.287 \\ \hline 626.367 \end{array}$$

(c) Converting to like decimals, we get

$972.15 = 972.150,\ 343.343$

$972.15 + 343.343 = 1315.493$

$$\begin{array}{r} {\scriptstyle 1\ 1} \\ 972.150 \\ +\ 343.343 \\ \hline 1315.493 \end{array}$$

(d)

$$\begin{array}{r} {\scriptstyle 1\ 1}\quad {\scriptstyle 1\ 1} \\ 758.837 \\ 102.139 \\ +128.343 \\ \hline 989.319 \end{array}$$

$758.837 + 102.139 + 128.343 = 989.319$

3. (a) Converting to like decimals, we get

$99.9 = 99.900,\ 9.999$

$99.9 - 9.999 = 89.901$

$$\begin{array}{r} {\scriptstyle 8\ 18}\quad {\scriptstyle 18\ 9\ 10} \\ 9\ 9\ .\ 9\ 0\ 0 \\ -\ 9\ .\ 9\ 9\ 9 \\ \hline 8\ 9\ .\ 9\ 0\ 1 \end{array}$$

(d) Converting to like decimals, we get

$100 = 100.00, 72.45$

$100 - 72.45 = 27.55$

$$\begin{array}{r} {}^{0}\cancel{1}\,{}^{9}\cancel{0}\,{}^{9}\cancel{0} . {}^{9}\cancel{0}\,{}^{10}\cancel{0} \\ -\ 7\ 2 . 4\ 5 \\ \hline 2\ 7 . 5\ 5 \end{array}$$

4. (a) $3.9 - 3.6 + 2.4 + 1.7 = 3.9 + 2.4 + 1.7 - 3.6 = 8.0 - 3.6 = 4.4$

$$\begin{array}{r} {}^{2} \\ 3 . 9 \\ 2 . 4 \\ +\ 1 . 7 \\ \hline 8 . 0 \end{array} \qquad \begin{array}{r} {}^{7}\ {}^{10} \\ \cancel{8} . \cancel{0} \\ -\ 3 . 6 \\ \hline 4 . 4 \end{array}$$

(b) $33.3 - 3.33 - 3.303 = 33.30 - 3.33 - 3.303 = 29.97 - 3.303$

$= 29.970 - 3.303 = 26.667$

$$\begin{array}{r} {}^{2}\,{}^{12}\,{}^{12}{}^{10} \\ \cancel{3}\cancel{3} . \cancel{3}\cancel{0} \\ -\ 3 . 3\ 3 \\ \hline 2\ 9 . 9\ 7 \end{array} \qquad \begin{array}{r} {}^{6}{}^{10} \\ 2\ 9 . 9\ \cancel{7}\cancel{0} \\ -\ 3 . 3\ 0\ 3 \\ \hline 2\ 6 . 6\ 6\ 7 \end{array}$$

(c) $76 + 13.75 - 67.954 = 76.00 + 13.75 - 67.954$

$= 89.75 - 67.954 = 89.750 - 67.954 = 21.796$

$$\begin{array}{r} 7\ 6 . 0\ 0 \\ +\ 1\ 3 . 7\ 5 \\ \hline 8\ 9 . 7\ 5 \end{array} \qquad \begin{array}{r} {}^{8}\ {}^{16}{}^{14}{}^{10} \\ 8\,\cancel{9} . \cancel{7}\cancel{5}\cancel{0} \\ -\ 6\ 7 . 9\ 5\ 4 \\ \hline 2\ 1 . 7\ 9\ 6 \end{array}$$

(d) $8.28 - 1.45 - 3.285 - 0.5 = 6.83 - 3.285 - 0.5 = 6.830 - 3.285 - 0.5$

$= 3.545 - 0.5 = 3.545 - 0.500 = 3.045$

$$\begin{array}{r} {}^{7}\ {}^{12} \\ \cancel{8} . \cancel{2}\,8 \\ -\ 1 . 4\ 5 \\ \hline 6 . 8\ 3 \end{array} \qquad \begin{array}{r} {}^{7}{}^{12}{}^{10} \\ 6 . \cancel{8}\cancel{3}\cancel{0} \\ -\ 3 . 2\ 8\ 5 \\ \hline 3 . 5\ 4\ 5 \end{array} \qquad \begin{array}{r} 3 . 5\ 4\ 5 \\ -\ 0 . 5\ 0\ 0 \\ \hline 3 . 0\ 4\ 5 \end{array}$$

Exercise-5

1. (a) (iii) Entry fee for 1 person = ₹ 25.50

Entry fee for 15 persons = ₹ 25.50 × 15

= ₹ 382.50

$$\begin{array}{r} 2550 \\ \times\ 15 \\ \hline 12750 \\ +\ 25500 \\ \hline 38250 \end{array}$$

(b) (ii) The distance covered by car in 1 hour = 40.5 km

The distance covered by car in 18 hours = 18 × 40.5 km

= 729 km

$$\begin{array}{r} 405 \\ \times 18 \\ \hline 3240 \\ +4050 \\ \hline 7290 \end{array}$$

(c) (iii) The cost of one pen = ₹ 25.50

The cost of 45 pens = ₹ 25.50 × 45

= ₹ 1147.50

$$\begin{array}{r} 2550 \\ \times\ 45 \\ \hline 12750 \\ +\ 102000 \\ \hline 114750 \end{array}$$

(d) (iii) The cost of 1 kg of rice = ₹ 75.50

The cost of 4 kg of rice = ₹ 75.50 × 4

= ₹ 302.00

$$\begin{array}{r} 7550 \\ \times 4 \\ \hline 30200 \end{array}$$

2. (a) $0.2345 \times 100 = \dfrac{2345}{100\cancel{00}} \times 1\cancel{00} = \dfrac{2345}{100} = 23.45$

(b) $19.09 \times 10 = \dfrac{1909}{10\cancel{0}} \times 1\cancel{0} = \dfrac{1909}{10} = 190.9$

(c) $1.098 \times 1000 = \dfrac{1098}{1\cancel{000}} \times 1\cancel{000} = 1098$

(d) Since the given decimal number has 4 decimal places, put the decimal point 4 places from the right in the product.

Thus, $5.2125 \times 19 = 99.0375$

$$\begin{array}{r} 52125 \\ \times\ 19 \\ \hline 469125 \\ +\ 521250 \\ \hline 990375 \end{array}$$

(e) Since the given decimal number has 2 decimal places, put the decimal point 2 places from the right in the product.

Thus, $11.11 \times 92 = 1022.12$

$$\begin{array}{r} 1111 \\ \times\ 92 \\ \hline 2222 \\ +\ 99990 \\ \hline 102212 \end{array}$$

3. $299.76 - 0.99 = 298.77$

Now, $298.77 \times 1000 = \frac{29877}{100} \times 1000$

$= 29877 \times 10$

$= 298770$

$$\begin{array}{r} {\scriptstyle ⑧\ \ ⑯⑯} \\ 2\,9\,\cancel{9}\,.\,\cancel{7}\,\cancel{6} \\ -\,0\,.\,9\,9 \\ \hline 2\,9\,8\,.\,7\,7 \\ \hline \end{array}$$

4. The length of one piece of lace = 9.2 cm

The total length of 100 pieces of lace $= (9.2 \times 100)$ cm

$= \frac{92}{10} \times 100$ cm $= \frac{92}{10}$ m

$= 9.2$ m

5. The cost of 1 m of cloth = ₹ 192.50

The cost of 4.5 m of cloth = ₹ 192.50×4.5

= ₹ 866.25

Thus, Meera has to pay ₹ 866.25.

$$\begin{array}{r} 19250 \\ \times\ 45 \\ \hline 96250 \\ +770000 \\ \hline 866250 \\ \hline \end{array}$$

Exercise-6

1. (a) (ii) Total weight of 5 gold coins = 62.5 g

The weight of each coin = (62.5 ÷ 5) g

= 12.5 g

$$\begin{array}{r} 12.5 \\ 5\overline{)\,62.5} \\ -\,5 \\ \hline 12 \\ -\,10 \\ \hline 25 \\ -25 \\ \hline 0 \\ \hline \end{array}$$

(b) (iv) The cost of 12 pencils = ₹ 40.80

The cost of one pencil = ₹ 40.80 ÷ 12

= ₹ 3.40

$$\begin{array}{r} 3.40 \\ 12\overline{)\,40.80} \\ -\,36 \\ \hline 48 \\ -\,48 \\ \hline 00 \\ -\,00 \\ \hline 0 \\ \hline \end{array}$$

(c) (iii) The other decimal number

$= 663.3 \div 40.2$

$= \frac{663.3}{40.2}$

$= \frac{663.3 \times 10}{40.2 \times 10}$

$= \frac{6633}{402} = 16.5$

$$\begin{array}{r} 16.5 \\ 402\overline{)\,6633.0} \\ -\,402 \\ \hline 2613 \\ -\,2412 \\ \hline 2010 \\ -\,2010 \\ \hline 0 \\ \hline \end{array}$$

2. (a) $3.528 \div 25 = 0.14112$

$$
\begin{array}{r}
0.14112 \\
25\overline{)\,3.52800} \\
-\,0 \\
\hline
35 \\
-\,25 \\
\hline
102 \\
-\,100 \\
\hline
28 \\
-\,25 \\
\hline
30 \\
-\,25 \\
\hline
50 \\
-\,50 \\
\hline
0
\end{array}
$$

(b) $0.0102 \div 8 = 0.001275$

$$
\begin{array}{r}
0.001275 \\
8\overline{)\,0.010200} \\
-\,0 \\
\hline
00 \\
-\,0 \\
\hline
01 \\
-\,0 \\
\hline
10 \\
-\,8 \\
\hline
22 \\
-\,16 \\
\hline
60 \\
-\,56 \\
\hline
40 \\
-\,40 \\
\hline
0
\end{array}
$$

(c) $83.419 \div 7 = 11.917$

$$
\begin{array}{r}
11.917 \\
7\overline{)\,83.419} \\
-\,7 \\
\hline
13 \\
-\,7 \\
\hline
64 \\
-\,63 \\
\hline
11 \\
-\,7 \\
\hline
49 \\
-\,49 \\
\hline
0
\end{array}
$$

(d) $47.85 \div 29 = 1.65$

$$
\begin{array}{r}
1.65 \\
29\overline{)\,47.85} \\
-\,29 \\
\hline
188 \\
-\,174 \\
\hline
145 \\
-\,145 \\
\hline
0
\end{array}
$$

3. The weight of 15 bags of wheat = 121.5 kg

The weight of one bag of wheat = (121.5 ÷ 15) kg

= 8.1 kg

$$
\begin{array}{r}
8.1 \\
15\overline{)\,121.5} \\
-120 \\
\hline
15 \\
-\,15 \\
\hline
0
\end{array}
$$

4. A = 25210.35, B = 275.3, C = 45

$A \div C = 25210.35 \div 45$

$= 560.23$

$$
\begin{array}{r}
560.23 \\
45\overline{)\,25210.35} \\
-\,225 \\
\hline
271 \\
-\,270 \\
\hline
10 \\
-\,0 \\
\hline
103 \\
-\,90 \\
\hline
135 \\
-\,135 \\
\hline
0
\end{array}
$$

Now, $560.23 + B = 560.23 + 275.3$

$= 560.23 + 275.30 = 835.53$

$$
\begin{array}{r}
\overset{\textcircled{1}}{} \\
560.23 \\
+\,275.30 \\
\hline
835.53
\end{array}
$$