

Exercises

Let's Recall

A) Convert into decimals .

1) $\frac{151}{10}$

$= 15.1$ answer..

2) $\frac{11}{1000}$

$= 0.011$ answer..

3) $\frac{34}{100}$

$= 0.34$ answer..

4) $\frac{1214}{1000}$

$= 1.214$ answer..

B) Convert into fractions.

1) $0.11 = \frac{11}{100}$ answer..

$= \frac{11}{100}$ answer..

2) $9.324 = \frac{9324}{1000}$ answer..

$= \frac{9324}{1000}$ answer..

3) $5.32 = \frac{532}{100}$ answer..

$= \frac{532}{100}$ answer..

4) $0.005 = \frac{5}{1000}$ answer..

$= \frac{5}{1000}$ answer..

C) Solve as required..

1)
$$\begin{array}{r} 5.11 \\ + 19.80 \\ \hline \end{array}$$

$$\begin{array}{r} 2) \quad 3.794 \\ - \quad 2.867 \\ \hline \end{array}$$

$$\underline{0.927.}$$

$$3) \quad 4.137$$

$$+ \quad 1.008$$

$$+ \quad 3.120$$

$$\hline = 8.265$$

$$4) \quad 7.900$$

$$4.017$$

$$\hline 3.883.$$

Exercise – 8.1

A) Express as decimal numbers.

$$1) \quad \frac{7}{10}$$

$$= 0.7 \text{ answer}$$

$$2) \quad \frac{8}{1000}$$

$$= 0.008 \text{ answer.}$$

$$3) \quad \frac{27}{100}$$

$$= 0.27 \text{ answer..}$$

$$4) \quad \frac{1000}{1000}$$

$$= 1 \text{ answer..}$$

$$5) \quad \frac{12}{1000}$$

$$= 0.012 \text{ answer.}$$

$$6) \quad \frac{6}{100}$$

$$= 0.06 \text{ answer..}$$

B) Write the place value of the circled digit in each decimal numbers.

1) $14.\underline{7}86$ = 0.08 answer.

2) $9.\underline{0}18$ = 0.0 answer.

3) $137.1\underline{1}$ = 0.01 answer.

4) $15.\underline{3}27$ = 0.3 answer.

5) $6.8\underline{1}0$ = 0.01 answer

C) Expand the following .

1) $43.874 = 40+3+0.8+0.07+0.004$

2) $9.007 = 9+0.007$

3) $143.76 = 100+40+3+0.7+0.06$

4) $87.300 = 80+7+0.3$

5) $7.008 = 7+0.008$

D) Compare using >, < or = sign.

1) $132.67 < 132.76$

2) $322.11 = 322.11$

3) $130.013 < 310.013$

4) $807.001 < 807.101$

5) $196.654 > 196.651$

6) $1496.87 > 1496.78$

E) Write the following in ascending order.

1) $36.910 ; 36.109 ; 36.091 ; 36.190$

Ans $36.091 ; 36.109 ; 36.190 ; 36.910$

2) $17.836 ; 17.386 ; 71.836 ; 71.683.$

Ans $17.386 ; 17.836 ; 71.683 ; 71.836$

F) Write in descending order.

1) $374.963 ; 734.639 ; 374.396 ; 734.963$

Ans $734.963 ; 734.639 ; 374.963 ; 374.396$

2) $1.111 ; 11.11 ; 111.01 ; 1.101 ; 11.001$

Ans $111.01 ; 11.11 ; 11.001 ; 1.111 ; 1.101$

G) Convert int fractions .

1) $1.008 = \underline{1008}$

1000 answer..

2) $16.017 = \underline{16017}$

1000 answer

3) $8.783 = \underline{8783}$

_____ 1000 answer

4) $2.091 = \underline{2091}$

1000 answer.

5) $4.099 = \underline{4099}$

1000 answer.

H) Express as decimals by converting denominator to 10 , 100 , 1000 as required.

1) $\frac{179}{50}$

= 3.58 answer

2) $\frac{4}{20}$

= 0.20 answer.

3) $\frac{3}{5}$

= 0.60 answer.

4) $\frac{16}{25}$

= 0.64 answer.

5) $\frac{9}{2}$

= 4.5 answer.

I) Express as decimals using division method

1) $\frac{3}{4} = 0.75$ answer.

2) $6\frac{3}{5} = 6.60$ answer.

3) $\frac{5}{8} = 0.625$ answer.

4) $\frac{19}{8} = 2.375$ answer.

5) $5\frac{1}{4} = 5.25$ answer.

Exercise - 8.2

A) Solve.

Exercise - 8.2

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A) Solve

(1) 67.7×2

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 67.7 \\ \times 2 \\ \hline 135.4 \end{array}$$

(2) 5.836×15

$$\begin{array}{r} \textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1} \textcircled{1} \\ 5.836 \\ \times 15 \\ \hline 29180 \\ 5836 \times \\ \hline 87540 \end{array}$$

(3) 97.81×12

$$\begin{array}{r} \textcircled{1} \textcircled{1} \\ 97.81 \\ \times 12 \\ \hline 19562 \\ 9781 \times \\ \hline 1173.72 \end{array}$$

(4) 3.414×19

$$\begin{array}{r} \textcircled{3} \textcircled{1} \textcircled{1} \textcircled{1} \\ 3.414 \\ \times 19 \\ \hline 30726 \\ 3414 \times \\ \hline 64.866 \end{array}$$

B) Find the product.

1) $3.7 \times 10 = 37$.

2) $16.74 \times 100 = 1674$.

3) $1.098 \times 1000 = 1098$

4) $0.004 \times 1000 = 4$

5) $0.37 \times 10 = 3.7$

6) $9.074 \times 100 = 907.4$

C) Multiply.

1) $4.3 \times 7.9 = 33.97$

2) $14.3 \times 2.5 \times 1.6 = 57.2$

3) $8.13 \times 2.1 \times 4.11 = 70.17003$

4) $11.2 \times 0.7 = 7.84$

D) Fill In the blanks.

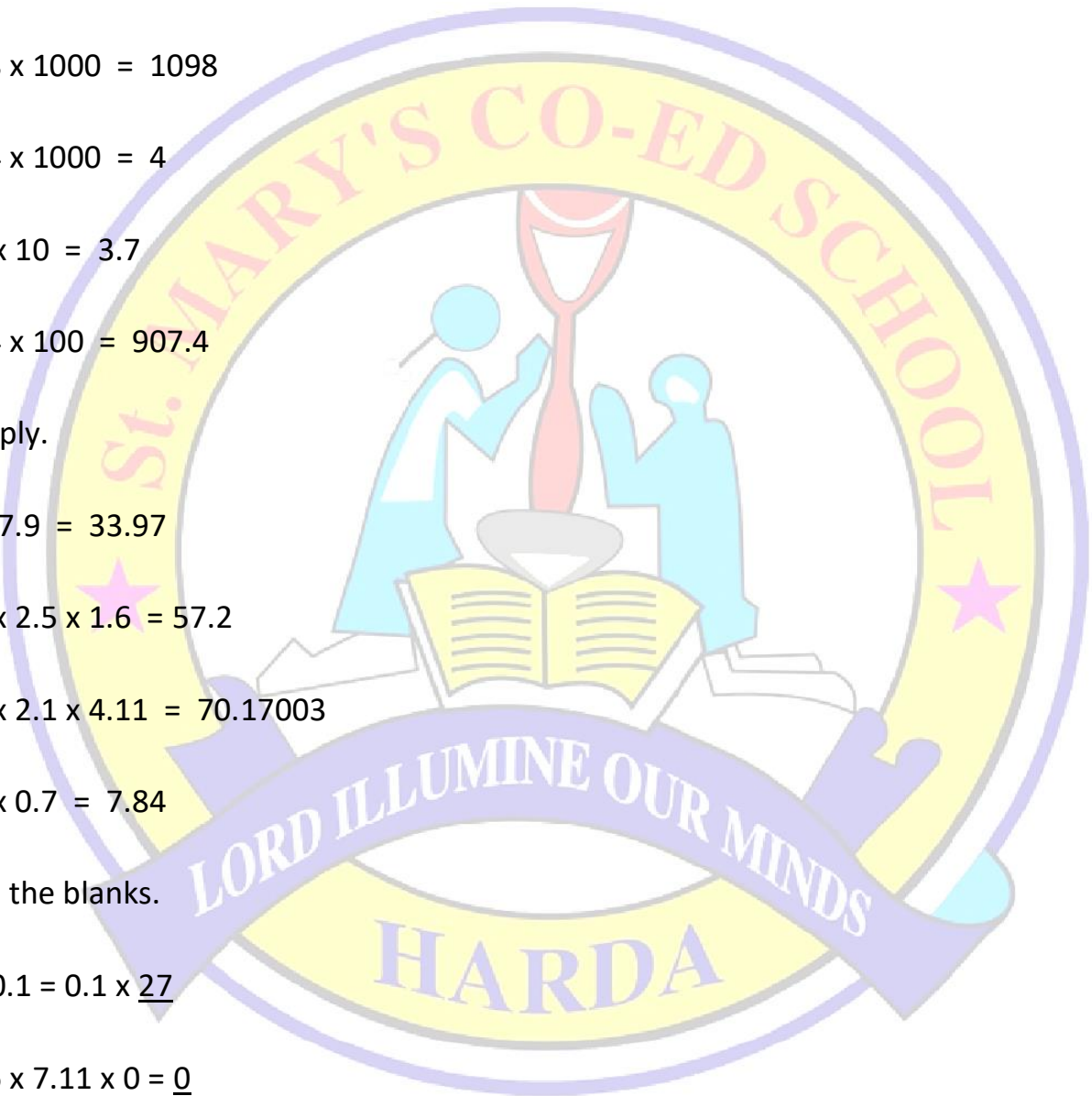
1) $27 \times 0.1 = 0.1 \times \underline{27}$

2) $7.846 \times 7.11 \times 0 = \underline{0}$

3) $16.37 \times \underline{1} = 16.37$

4) $2.16 \times 7.11 \times \underline{0}$

5) $3.9 \times 7.8 \times 5.6 = 7.8 \times 5.6 \times \underline{3.9}$



Exercise – 8.3

A) find the quotient.

Exercise - 8.3

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A) Find the quotient.

(1) $7590.12 \div 12$

(2) $14.404 \div 4$

$$12 \overline{) 7590.12} \quad 632.51$$

$$\underline{72}$$

$$39$$

$$\underline{36}$$

$$030$$

$$\underline{24}$$

$$61$$

$$\underline{60}$$

$$012$$

$$\underline{12}$$

$$R - 00$$

Ans. 632.51

$$4 \overline{) 14.404} \quad 3.601$$

$$\underline{12}$$

$$24$$

$$\underline{24}$$

$$04$$

$$\underline{4}$$

$$0$$

Ans = 3.601

(3) $287.2 \div 2$

$$2 \overline{) 287.2} \quad 143.6$$

$$\underline{2}$$

$$08$$

$$\underline{8}$$

$$07$$

Ans. 143.6

$$\underline{6}$$

$$12$$

$$\underline{12}$$

$$00R$$

(4) $157.55 \div 5$

$$5 \overline{) 157.55} \quad 31.51$$

$$\underline{15}$$

$$07$$

$$\underline{5}$$

$$25$$

$$\underline{25}$$

Ans. 31.51

$$05$$

$$\underline{5}$$

$$0R$$

Q2 Solve

(1) $9.01 \div 1000$

Ans. 0.00901

(2) $27.174 \div 10$

Ans = 2.7174

(3) $3.74 \div 100$

Ans 0.0374

(4) $7.07 \div 1000$

Ans = 0.00707

(5) $1.1007 \div 100$

Ans 0.011007

(6) $0.006 \div 10$

Ans = 0.0006

(c) Divide

(1) $9.8784 \div 0.98$

$$\frac{9.8784 \times 100}{0.98 \times 100}$$

$$\frac{987.84}{98}$$

$$\frac{987.84}{98}$$

$$98 \overline{) 987.84} 10.08$$

$$98 \overline{) 987.84} 10.08$$

$$98$$

$$00784$$

$$784$$

$$000$$

Ans = 10.08

(2) $726.96 \div 31.2$

$$\frac{726.96 \times 10}{312 \times 100}$$

$$\frac{72696}{31200}$$

$$\frac{72696}{3120}$$

$$312 \overline{) 72696} 23.2$$

$$312 \overline{) 72696} 23.2$$

$$624$$

$$4029$$

$$936$$

$$0636$$

$$624$$

$$12$$

Ans 23.2



$$(3) \quad 35.052 \div 2.3$$

$$(4) \quad 25.395 \div 1.5$$

$$\frac{35052 \times 10}{2.3 \times 1000}$$

$$\frac{25395 \times 10}{1.5 \times 1000}$$

$$= \frac{35052}{2300}$$

$$= \frac{25395}{1500}$$

$$23 \overline{) 35052} \quad 15.24$$

23

120

115

058

46

92

92

00

$$15 \overline{) 25395} \quad 16.93$$

15

103

90

139

135

045

45

00

Ans. 15.24

Ans = 16.93

(D) Divide:

(1) $963 \div 0.015$

(2) $1331 \div 0.11$

$$\begin{array}{r} 963 \times 1000 \\ 0.015 \times \end{array}$$

$$\begin{array}{r} 963000 \\ 15 \end{array}$$

$$\begin{array}{r} 1331 \times 100 \\ 0.11 \end{array}$$

$$\begin{array}{r} = 133100 \\ 11 \end{array}$$

$$15 \overline{) 963000} \quad (64200$$

$$\begin{array}{r} 90 \\ \hline \end{array}$$

$$\begin{array}{r} 63 \\ \hline \end{array}$$

$$\begin{array}{r} 60 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ \hline \end{array}$$

$$\begin{array}{r} 30 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \hline \end{array}$$

$$\begin{array}{r} 00 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \hline \end{array}$$

$$11 \overline{) 133100} \quad (12100$$

$$\begin{array}{r} 11 \\ \hline \end{array}$$

$$\begin{array}{r} 023 \\ \hline \end{array}$$

$$\begin{array}{r} 22 \\ \hline \end{array}$$

$$\begin{array}{r} 011 \\ \hline \end{array}$$

$$\begin{array}{r} 11 \\ \hline \end{array}$$

$$\begin{array}{r} 100 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \hline \end{array}$$

$$\begin{array}{r} 00 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \hline \end{array}$$

$$\begin{array}{r} 0 \\ \hline \end{array}$$

Ans 64200

Ans = 12100

(3) $80 \div 0.25$

(4) $100 \div 0.20$

$$\frac{80 \times 100}{0.25}$$

$$\frac{100 \times 100}{0.20}$$

$$\frac{8000}{25}$$

$$\frac{10000}{20}$$

$$25 \overline{) 8000} 320$$

$$20 \overline{) 10000} 500$$

$$\underline{75}$$

$$\underline{100}$$

$$050$$

$$00$$

$$\underline{50}$$

$$\underline{0}$$

$$00$$

$$00$$

$$\underline{0}$$

$$0$$

$$\underline{0}$$

$$\underline{0}$$

Ans: 320

Ans: 500

Exercise 8.4

A) Simplify.

$$1) (8.76 \times 0.2) + 9.32 - 1.08$$

$$\text{Solution- } = 1.752 + 9.32 - 1.08$$

$$= 11.072 - 1.08$$

$$\text{Answer} = 9.992.$$

$$2) 18.2 + 17.6 - (2.7 \times 1.3)$$

$$= 18.2 + 17.6 - 3.51$$

$$= 35.8 - 3.51$$

$$\text{Answer} = 32.29$$

$$3) 12 \div 3 + 6 \div 3 + 2.0$$

$$= 4 + 2 + 2.0$$

$$= 8.0$$

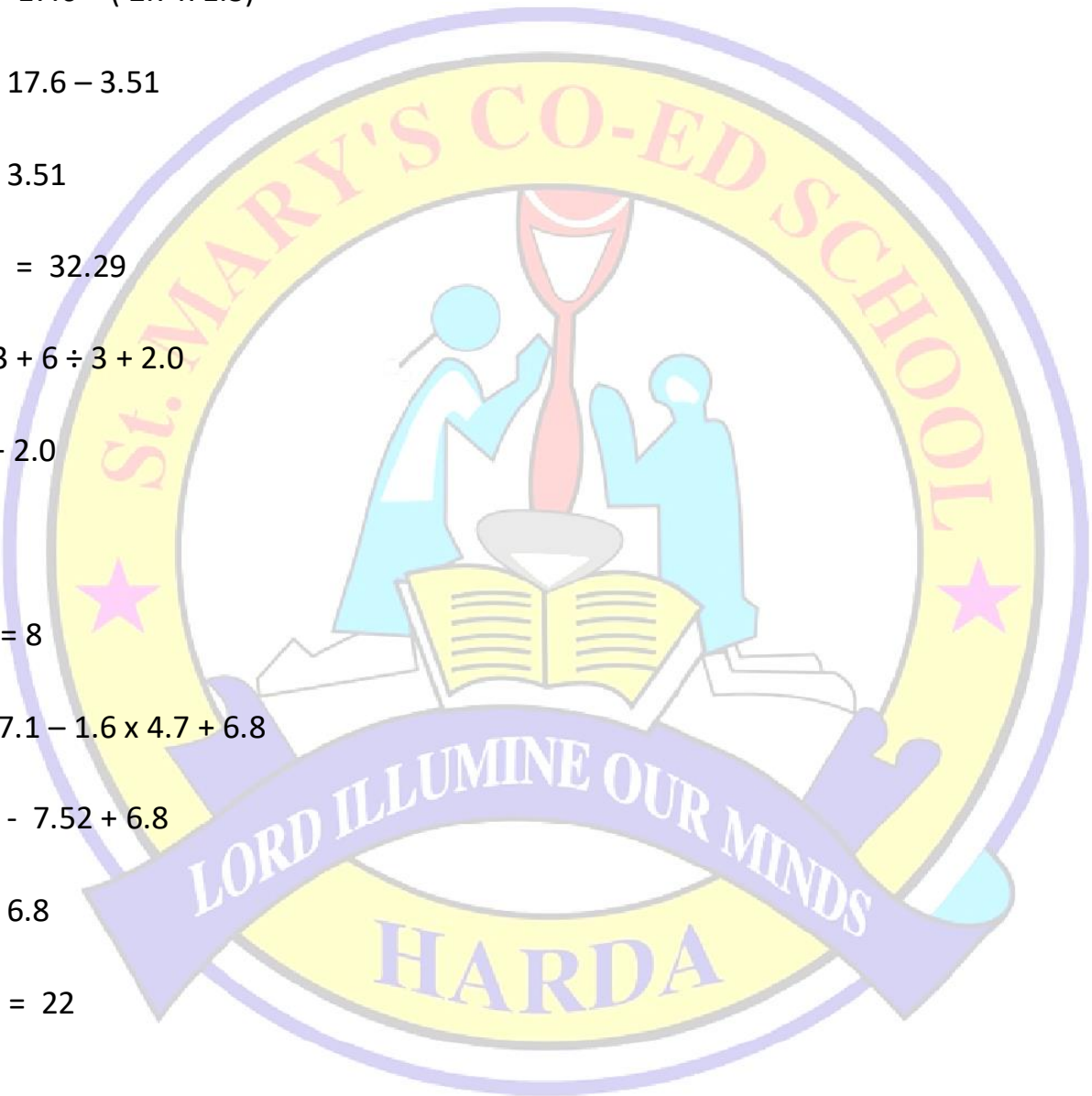
$$\text{Answer} = 8$$

$$4) 3.2 \times 7.1 - 1.6 \times 4.7 + 6.8$$

$$= 22.72 - 7.52 + 6.8$$

$$= 15.2 + 6.8$$

$$\text{Answer} = 22$$



B) Solve.

1) Labourer gets per day rupees 77.25 per day . find his monthly earning.

total days in a month = 30

$$\text{Solution} = 77.25 \times 30 = 2317.50$$

2317.5 is his monthly earning.

2) A Tank had 15.42 litres of water. 18.32 litres of water was further pumped in. by the end of the day , 12.16 litres of water was consumed . how much water does the tank still hold ?

Solution – Total water in tank 15 . 42

$$\begin{array}{r} \text{Water further pumped in tank} \quad + \quad 18 . 32 \\ \hline = \quad 33 . 74 \end{array}$$

Finally total water in tank 33.74

$$\begin{array}{r} \text{Water consumed from tank} - \quad 12.16 \\ \hline = \quad 12.58 \end{array}$$

Answer = 21.58 litres water the water the tank still hold.

3) One litre of juice cost 35.90. how much juice can be purchased for 466.70?

Sol : Cost of 1 litre Juice = Rs.35.90

Therefore, Juice can be Purchased =466.70

$$\frac{466.70 \times 100}{35.90 \times 100} = \frac{4667000}{359000}$$

$$= \frac{4667}{359}$$

$$= 4667 \div 359$$

= 13 litre of juice can be purchased.

4)The cost of the chair $\frac{3}{5}$ the cost of the table. Find the cost of the chair. If the table is worth Rs. 375.50.

Sol: Cost of table is Rs 375.50

Cost of chair is $\frac{3}{5}$

Cost of the chair = $\frac{375.50 \times 3}{500}$

500

=2253/ 10

Ans. Rs. 225.30 is the cost of the chair.



