

# District Public School & College, Depalpur

E-Learning Project

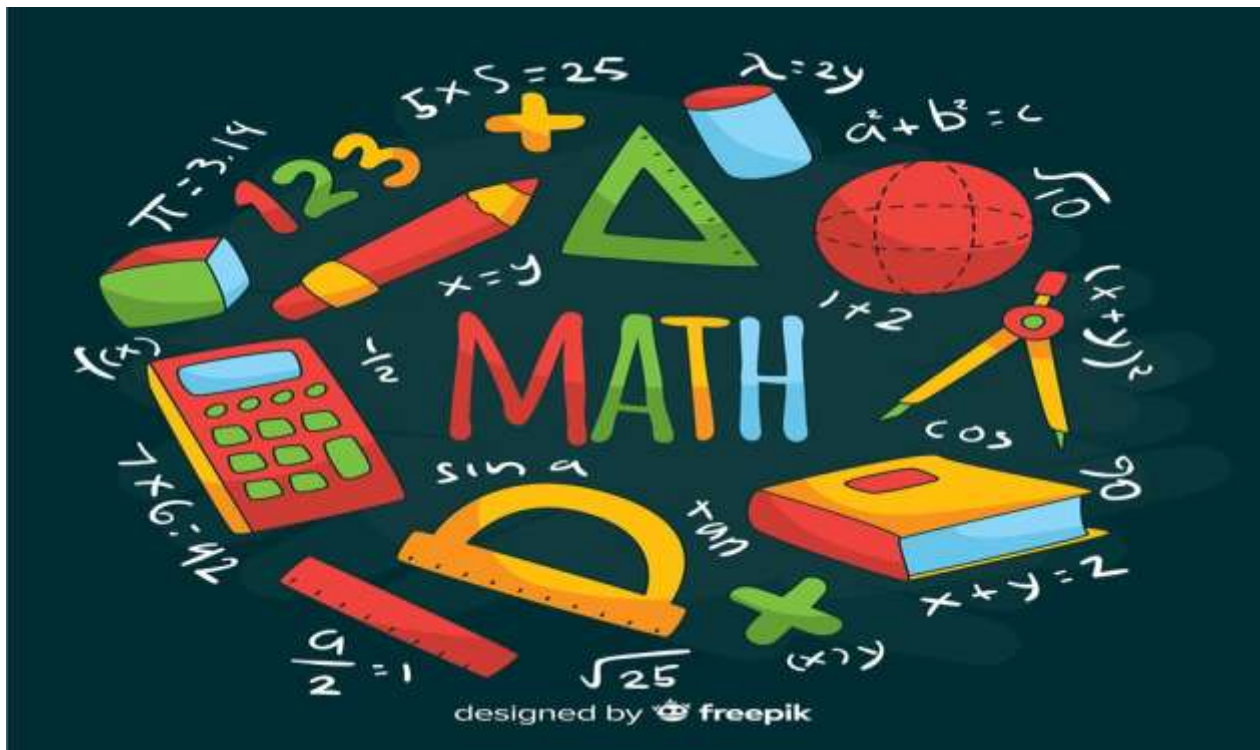
Summer Task

Tutorial Links,

Home Assignments, Work Sheets

and Activities

Academic Session 2020-2021



**Class : 5<sup>th</sup>**

**Student Name:** \_\_\_\_\_

**Father Name:** \_\_\_\_\_

Date: 04-08-2020

Day: Tuesday

Web Link: <https://youtu.be/AGVWU9sxigM>

### Exercise 4.3

Topic: Multiplication of Decimal by Whole number.

**Example:** Solve  $1.4235 \times 67$

**Solution:**  $1.4235 \times 67$

$$= 1.4235 \times 67 \quad [4 \text{ decimal places}]$$

$$= 95.3745 \quad [4 \text{ decimal places}]$$

**Working**

$$1.4235$$

$$\times \quad 67$$

$$\hline 99645$$

$$854100$$

$$\hline 95.3745$$

**Home Work:**

**1. Solve the following.**

(i) Solve  $13.2 \times 7$

(iii) Solve.  $45.31 \times 32$

## Learn and write table of 13

$13 \times 1 = 13$	
$13 \times 2 = 26$	
$13 \times 3 = 39$	
$13 \times 4 = 52$	
$13 \times 5 = 65$	
$13 \times 6 = 78$	
$13 \times 7 = 91$	
$13 \times 8 = 104$	
$13 \times 9 = 117$	
$13 \times 10 = 130$	
$13 \times 11 = 143$	
$13 \times 12 = 156$	

Date: 05-08-2020

Day: Wednesday

Web Link: <https://youtu.be/-iZyhJNSLgo>

Topic: Division of Decimal by Whole number.

**Example 1** Divide 782.25 by 21

**Solution**  $782.25 \div 21$

Divide as you would with whole numbers .

$$\begin{array}{r} 37.25 \\ 21 \overline{) 782.25} \\ \underline{-63} \phantom{0} \phantom{0} \phantom{0} \\ 152 \phantom{0} \phantom{0} \phantom{0} \\ \underline{-147} \phantom{0} \phantom{0} \\ 52 \phantom{0} \phantom{0} \\ \underline{-42} \phantom{0} \\ 105 \\ \underline{-105} \\ 0 \end{array}$$

← Line up decimal point in quotient with decimal point in dividend.

Stop dividing when you get a zero remainder.

Thus,  $782.25 \div 21 = 37.25$

Dividend decimal has 2 decimal places.

Quotient decimal has 2 decimal places.

**Home Work:**

**2. Solve the following.**

**(i) Solve.  $97.29 \div 23$**

**(ii) Solve.  $185.74 \div 37$**

## Learn and write table of 14

$14 \times 1 = 14$	
$14 \times 2 = 28$	
$14 \times 3 = 42$	
$14 \times 4 = 56$	
$14 \times 5 = 70$	
$14 \times 6 = 84$	
$14 \times 7 = 98$	
$14 \times 8 = 112$	
$14 \times 9 = 126$	
$14 \times 10 = 140$	
$14 \times 11 = 154$	
$14 \times 12 = 168$	

Date: 06-08-2020

Day: Thursday

Web Link: <https://youtu.be/C1M-ujzhzZU>

Topic: Multiplication of Decimal by Decimal.

**Example 1:** Find the product of 7.5 and 0.6

**Solution:**  $7.5 \times 0.6$

$$= \frac{75}{10} \times \frac{6}{10}$$

$$= \frac{450}{100}$$

$$= 4.50$$

**Example 2:** Solve  $1.4235 \times 6.7$

**Solution:**  $1.4235 \times 6.7$

$$= 1.4235 \times 67 \quad [5 \text{ decimal places}]$$

$$= 9.53745 \quad [5 \text{ decimal places}]$$

**Working**

$$1.4235$$

$$\times \quad 6.7$$

$$99645$$

$$854100$$

$$\underline{9.53745}$$

**Home Work:**

**3. Solve the following.**

**(i)  $3.75 \times 8.4$**

**(iii)**

**$4.381 \times 2.4$**

## Learn and write table of 15

$15 \times 1 = 15$	
$15 \times 2 = 30$	
$15 \times 3 = 45$	
$15 \times 4 = 60$	
$15 \times 5 = 75$	
$15 \times 6 = 90$	
$15 \times 7 = 105$	
$15 \times 8 = 120$	
$15 \times 9 = 135$	
$15 \times 10 = 150$	
$15 \times 11 = 165$	
$15 \times 12 = 180$	

Date: 07-08-2020

Day: Friday

Web Link: <https://youtu.be/cRSPONPW1HE>

### Exercise 4.4

Topic: Division of Decimal by Decimal.

**Example:** Divide 0.8 by 0.4

**Solution:**  $0.8 \div 0.4$

$$= \frac{8}{10} \div \frac{4}{10}$$

$$= \frac{8}{10} \times \frac{10}{4} \quad \left[ \text{Reciprocal of } \frac{4}{10} \text{ is } \frac{10}{4} \right]$$

$$= \frac{8}{4} \quad \left[ \text{By cancelling} \right]$$

$$= 2$$

### Home Work:

#### 1. Solve:

(i) Solve  $25.5 \div 0.5$

(iii) Solve  $32.5 \div 2.5$



## Learn and write table of 16

$16 \times 1 = 16$	
$16 \times 2 = 32$	
$16 \times 3 = 48$	
$16 \times 4 = 64$	
$16 \times 5 = 80$	
$16 \times 6 = 96$	
$16 \times 7 = 112$	
$16 \times 8 = 128$	
$16 \times 9 = 144$	
$16 \times 10 = 160$	
$16 \times 11 = 176$	
$16 \times 12 = 192$	

Date: 08-08-2020

Day: Saturday

Web Link: <https://youtu.be/Mtni3fOP0KM>

Topic: Conversion of Fraction to Decimal.

**Examples 1** Convert  $\frac{1}{4}$  to decimal.

**Solution**

$$\begin{array}{r} 0.25 \\ 4 \overline{) 1.00} \\ \underline{-8} \phantom{0} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

Thus,  $\frac{1}{4} = 0.25$

**Home Work:**

**2. Change the following fractions to decimals.**

(ii)  $\frac{3}{20}$

(iii)  $3\frac{2}{5}$

## Learn and write table of 17

$17 \times 1 = 17$	
$17 \times 2 = 34$	
$17 \times 3 = 51$	
$17 \times 4 = 68$	
$17 \times 5 = 85$	
$17 \times 6 = 102$	
$17 \times 7 = 119$	
$17 \times 8 = 136$	
$17 \times 9 = 153$	
$17 \times 10 = 170$	
$17 \times 11 = 187$	
$17 \times 12 = 204$	

Date: 10-08-2020

Day: Monday

Web Link: <https://youtu.be/j6j7puW0Li0>

Topic: Simplification of Decimals involving Brackets.

**Example:** Simplify:  $2.1 + (1.3 \times 2.1 \div 0.7)$

**Working:**

**Solution:**

$$\begin{aligned} &= 2.1 + (1.3 \times 2.1 \div 0.7) \\ &= 2.1 + (1.3 \times 3) \\ &= 2.1 + 3.9 \\ &= 6.0 \end{aligned}$$

$$\frac{21}{10} \times \frac{10}{7} = 3$$

**Home Work:**

**3. Simplify the expressions.**

**(ii)  $6.3 - (2.4 - 1.2 \times 1.3)$**

**(iii)  $3.7 (2.87 \div 0.7 \times 2)$**

## Learn and write table of 18

$18 \times 1 = 18$	
$18 \times 2 = 36$	
$18 \times 3 = 54$	
$18 \times 4 = 72$	
$18 \times 5 = 90$	
$18 \times 6 = 108$	
$18 \times 7 = 126$	
$18 \times 8 = 144$	
$18 \times 9 = 162$	
$18 \times 10 = 180$	
$18 \times 11 = 198$	
$18 \times 12 = 216$	

Date: 11-08-2020

Day: Tuesday

Web Link: [https://youtu.be/v3Z\\_0vTlbRk](https://youtu.be/v3Z_0vTlbRk)

Topic: Simplification of Decimals involving Brackets.

### Home Work:

#### 3. Simplify the expressions.

(v)  $(19.4 - 8.2 \times 1.2) + 11.7$

(vi)  $8.8 - (2.1 + 5.4 \div 0.9)$

## Learn and write table of 19

$19 \times 1 = 19$	
$19 \times 2 = 38$	
$19 \times 3 = 57$	
$19 \times 4 = 76$	
$19 \times 5 = 95$	
$19 \times 6 = 114$	
$19 \times 7 = 133$	
$19 \times 8 = 152$	
$19 \times 9 = 171$	
$19 \times 10 = 190$	
$19 \times 11 = 209$	
$19 \times 12 = 228$	

Date: 12-08-2020

Day: Wednesday

Web Link: <https://youtu.be/w645m9MT5Ms>

## Exercise 4.5

Topic: Round off Decimals.

### Examples:

(i) Round 7.12 to nearest one decimal place.

**Solution:**

= 7.12 [ As the second digit of decimal is less than 5 ]

= 7.1

(ii) Round 6.237 to nearest hundredth.

**Solution:**

= 6.237 [ Because the thousandths' digit is greater than 5 ]

= 6.24

### Home Work:

**1.(iii) Round 6.62 to the nearest one decimal place.**

**2.(iii) Round 17.827 to the nearest two decimal places.**

**3.(iii) Round 108.3184 to the nearest three decimal places.**



## Learn and write table of 19

$19 \times 1 = 19$	
$19 \times 2 = 38$	
$19 \times 3 = 57$	
$19 \times 4 = 76$	
$19 \times 5 = 95$	
$19 \times 6 = 114$	
$19 \times 7 = 133$	
$19 \times 8 = 152$	
$19 \times 9 = 171$	
$19 \times 10 = 190$	
$19 \times 11 = 209$	
$19 \times 12 = 228$	

Date: 13-08-2020

Day: Thursday

## Worksheet

Name : \_\_\_\_\_ Score : \_\_\_\_\_

Teacher : \_\_\_\_\_ Date : \_\_\_\_\_

### Rounding Decimal Numbers

Round each number to the nearest tenth.

1) 7.16 \_\_\_\_\_ 6) 1.74 \_\_\_\_\_

2) 7.86 \_\_\_\_\_ 7) 3.67 \_\_\_\_\_

3) 8.29 \_\_\_\_\_ 8) 6.88 \_\_\_\_\_

4) 7.55 \_\_\_\_\_ 9) 8.66 \_\_\_\_\_

5) 5.54 \_\_\_\_\_ 10) 3.72 \_\_\_\_\_

Round each number to the nearest tenth.

1) 7.832 \_\_\_\_\_ 6) 4.438 \_\_\_\_\_

2) 5.572 \_\_\_\_\_ 7) 5.732 \_\_\_\_\_

3) 4.843 \_\_\_\_\_ 8) 7.673 \_\_\_\_\_

4) 4.314 \_\_\_\_\_ 9) 4.573 \_\_\_\_\_

5) 3.469 \_\_\_\_\_ 10) 2.653 \_\_\_\_\_

Date: 15-08-2020

Day: Saturday

Web Link: <https://youtu.be/Mtni3fOP0KM>

Topic: Conversion of Fraction to Decimal.

**Examples 1** Convert  $\frac{1}{4}$  to decimal.

**Solution**

$$\begin{array}{r} 0.25 \\ 4 \overline{) 1.00} \\ \underline{-8} \phantom{0} \\ 20 \\ \underline{-20} \\ 0 \end{array}$$

Thus,  $\frac{1}{4} = 0.25$

### Home Work:

4. Change the following fractions to decimals.

(ii)  $\frac{3}{4}$

(iii)  $17\frac{2}{5}$

## Learn and write table of 20

$20 \times 1 = 20$	
$20 \times 2 = 40$	
$20 \times 3 = 60$	
$20 \times 4 = 80$	
$20 \times 5 = 100$	
$20 \times 6 = 120$	
$20 \times 7 = 140$	
$20 \times 8 = 160$	
$20 \times 9 = 180$	
$20 \times 10 = 200$	
$20 \times 11 = 220$	
$20 \times 12 = 240$	

Date: 17-08-2020

Day: Monday

Web Link: <https://youtu.be/uMpXZluxB9I>

Topic: Conversion of decimal to fraction.

**Example:** Convert 3.125 to fraction.

**Solution** 3.125 to fraction

$$3.125 = \frac{3125}{1000} = \frac{\overset{25}{\cancel{125}} \overset{625}{\cancel{3125}}}{\underset{200}{\cancel{1000}} \underset{40}{\cancel{8}}} = \frac{25}{8} = 3\frac{1}{8}$$

**Home Work:**

5. Convert the following decimals to fraction.

(i) Convert 17.23 to fraction.

(ii) Convert 24.52 to fraction.

## Learn and write table of 11

$11 \times 1 = 11$	
$11 \times 2 = 22$	
$11 \times 3 = 33$	
$11 \times 4 = 44$	
$11 \times 5 = 55$	
$11 \times 6 = 66$	
$11 \times 7 = 77$	
$11 \times 8 = 88$	
$11 \times 9 = 99$	
$11 \times 10 = 110$	
$11 \times 11 = 121$	
$11 \times 12 = 132$	

Date: 18-08-2020

Day: Tuesday

Web Link: [https://youtu.be/QmWFhKPM7\\_A](https://youtu.be/QmWFhKPM7_A)

### Exercise 4.6

Topic: problems involving decimals.

**Example:** Noureen bought 6 note books at the rate of Rs. 22.75 per note book. How much did she pay?

**Solution:** Cost of one note book = Rs. 22.75

Number of note books = 6

Cost of 6 note books =  $22.75 \times 6$

= Rs. 136.50

### Home Work:

1. Cost of 15.2 kg of rice is Rs. 1220.56. Find the cost of 1 kg of rice.

## Learn and write table of 12

$12 \times 1 = 12$	
$12 \times 2 = 24$	
$12 \times 3 = 36$	
$12 \times 4 = 48$	
$12 \times 5 = 60$	
$12 \times 6 = 72$	
$12 \times 7 = 84$	
$12 \times 8 = 96$	
$12 \times 9 = 108$	
$12 \times 10 = 120$	
$12 \times 11 = 132$	
$12 \times 12 = 144$	



Date: 19-08-2020

Day: Wednesday

Web Link: <https://youtu.be/icS6XYNNMlc>

Topic: problems involving decimals.

- 2. 12.5 kg of apples cost Rs. 1065. Find the cost of 8.5 kg of apples.**

## Learn and write table of 13

$13 \times 1 = 13$	
$13 \times 2 = 26$	
$13 \times 3 = 39$	
$13 \times 4 = 52$	
$13 \times 5 = 65$	
$13 \times 6 = 78$	
$13 \times 7 = 91$	
$13 \times 8 = 104$	
$13 \times 9 = 117$	
$13 \times 10 = 130$	
$13 \times 11 = 143$	
$13 \times 12 = 156$	

Date: 20-08-2020

Day: Thursday

Web Link: [https://youtu.be/hh10obj7\\_7I](https://youtu.be/hh10obj7_7I)

Topic: problems involving decimals.

**Homework:**

- 3. Your CD player runs for about 6.5 hours on new batteries. The Average length of CDs in your collection is about 1.3 hours. How many CDs can you expect to listen using one new set of batteries?**

- 4. Total length of pole is 21.3 meters. If 0.2 meter of the length of this pole is inside the ground. Find how much of its length is outside the ground.**

## Learn and write table of 14

$14 \times 1 = 14$	
$14 \times 2 = 28$	
$14 \times 3 = 42$	
$14 \times 4 = 56$	
$14 \times 5 = 70$	
$14 \times 6 = 84$	
$14 \times 7 = 98$	
$14 \times 8 = 112$	
$14 \times 9 = 126$	
$14 \times 10 = 140$	
$14 \times 11 = 154$	
$14 \times 12 = 168$	

Date: 21-08-2020

Day: Friday

**Web Link:** [https://youtu.be/ImIWhM\\_yrEI](https://youtu.be/ImIWhM_yrEI)

Topic: problems involving decimals.

**Homework:**

- 5. A person died leaving worth property worth Rs.4000.40.His Widow got 0.125 of this property. His son got 0.4 of the remainder. What did his widow and son get?**

## Learn and write table of 15

$15 \times 1 = 15$	
$15 \times 2 = 30$	
$15 \times 3 = 45$	
$15 \times 4 = 60$	
$15 \times 5 = 75$	
$15 \times 6 = 90$	
$15 \times 7 = 105$	
$15 \times 8 = 120$	
$15 \times 9 = 135$	
$15 \times 10 = 150$	
$15 \times 11 = 165$	
$15 \times 12 = 180$	

Date: 22-08-2020

Day: Saturday

Web Link: [https://youtu.be/Gme5qMu\\_RGI](https://youtu.be/Gme5qMu_RGI)

### Exercise 4.7

Topic: Conversions of percentage to fraction.

**Example:** Convert 13 % to fraction.

**Solution:** 13 % [13 out of 100]

$$= \frac{13}{100}$$

### Home Work:

1. Write the percent as fraction.

(i) 63 %

(ii) 31%

## Learn and write table of 16

$16 \times 1 = 16$	
$16 \times 2 = 32$	
$16 \times 3 = 48$	
$16 \times 4 = 64$	
$16 \times 5 = 80$	
$16 \times 6 = 96$	
$16 \times 7 = 112$	
$16 \times 8 = 128$	
$16 \times 9 = 144$	
$16 \times 10 = 160$	
$16 \times 11 = 176$	
$16 \times 12 = 192$	



Date: 24-08-2020

Day: Monday

Web Link: <https://youtu.be/j3YEBrmcRFs>

Topic: Conversions of fraction to percent.

**Example:** Convert  $\frac{4}{5}$  to percent.

**Solution:**

$$\begin{aligned} & \frac{4}{5} \\ &= \frac{4 \times 20}{5 \times 20} \\ &= \frac{80}{100} \quad \left[ 1\% = \frac{1}{100} \right] \\ &= 80\% \end{aligned}$$

**2. Write the fraction as percent.**

(i)  $\frac{17}{50}$

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

(ii)  $\frac{16}{25}$

(v)  $\frac{9}{10}$

## Learn and write table of 17

$17 \times 1 = 17$	
$17 \times 2 = 34$	
$17 \times 3 = 51$	
$17 \times 4 = 68$	
$17 \times 5 = 85$	
$17 \times 6 = 102$	
$17 \times 7 = 119$	
$17 \times 8 = 136$	
$17 \times 9 = 153$	
$17 \times 10 = 170$	
$17 \times 11 = 187$	
$17 \times 12 = 204$	

Date: 25-08-2020

Day: Tuesday

**Web Link:** <https://youtu.be/tHLgVPzEnvI>

Topic: Conversions of decimal to percent.

**Example:** Convert 0.19 to percent.

**Solution:** 0.19

$$= \frac{19}{100} \quad \left[ 1 \% = \frac{1}{100} \right]$$

$$= 19 \%$$

**3. Write the decimal as percent.**

**(i) 0.17**

**(ii) 0.23**

## Learn and write table of 18

$18 \times 1 = 18$	
$18 \times 2 = 36$	
$18 \times 3 = 54$	
$18 \times 4 = 72$	
$18 \times 5 = 90$	
$18 \times 6 = 108$	
$18 \times 7 = 126$	
$18 \times 8 = 144$	
$18 \times 9 = 162$	
$18 \times 10 = 180$	
$18 \times 11 = 198$	
$18 \times 12 = 216$	

Date: 26-08-2020

Day: Wednesday

## Work Sheet

Name \_\_\_\_\_

Marks Obtained \_\_\_\_\_

Sr. No	Percentage	Fraction	Decimal
1	61	$\frac{61}{100}$	0.61
2	25		
3			0.33
4		$\frac{11}{25}$	
5	37		
6			0.65
7		$\frac{17}{100}$	
8	49		

Date: 27-08-2020

Day: Thursday

Web Link: <https://youtu.be/RBLPWlusJQE>

Topic: Calculation of fraction.

**Example:** Calculate 20 % of 80.

**Solution:** = 20 % of 80.

$$= \frac{20}{100} \times 80 \quad \left[ 1 \% = \frac{1}{100} \right]$$

$$= 2 \times 8$$

$$= 16$$

**Home Work:**

**4. Calculate the following.**

**(ii) 50% of 40.**

**(iii) 40% of 85.**

## Learn and write table of 19

$19 \times 1 = 19$	
$19 \times 2 = 38$	
$19 \times 3 = 57$	
$19 \times 4 = 76$	
$19 \times 5 = 95$	
$19 \times 6 = 114$	
$19 \times 7 = 133$	
$19 \times 8 = 152$	
$19 \times 9 = 171$	
$19 \times 10 = 190$	
$19 \times 11 = 209$	
$19 \times 12 = 228$	

Date: 28-08-2020

Day: Friday

## Worksheet 1

Name: \_\_\_\_\_ Date: \_\_\_\_\_

### Percentage of Number Worksheet

Calculate the percentages.

<b>1 a.</b> 10% of 0	<b>1 b.</b> 10% of 16
<b>2 a.</b> 70% of 38	<b>2 b.</b> 50% of 36
<b>3 a.</b> 80% of 28	<b>3 b.</b> 70% of 48
<b>4 a.</b> 30% of 6	<b>4 b.</b> 20% of 36
<b>5 a.</b> 20% of 22	<b>5 b.</b> 80% of 36
<b>6 a.</b> 80% of 6	<b>6 b.</b> 20% of 44
<b>7 a.</b> 70% of 8	<b>7 b.</b> 60% of 22
<b>8 a.</b> 90% of 12	<b>8 b.</b> 80% of 22



## Worksheet 2

Complete the following table.

$2 \times 7 = \underline{14}$	$11 \times 7 = \underline{77}$
$3 \times 4 = \underline{\quad}$	$12 \times 4 = \underline{\quad}$
$4 \times 9 = \underline{\quad}$	$13 \times 9 = \underline{\quad}$
$5 \times 8 = \underline{\quad}$	$14 \times 8 = \underline{\quad}$
$6 \times 7 = \underline{\quad}$	$15 \times 7 = \underline{\quad}$
$7 \times 2 = \underline{\quad}$	$16 \times 2 = \underline{\quad}$
$8 \times 8 = \underline{\quad}$	$17 \times 8 = \underline{\quad}$
$9 \times 11 = \underline{\quad}$	$18 \times 11 = \underline{\quad}$
$10 \times 9 = \underline{\quad}$	$19 \times 9 = \underline{\quad}$
$6 \times 6 = \underline{\quad}$	$16 \times 6 = \underline{\quad}$
$8 \times 12 = \underline{\quad}$	$17 \times 12 = \underline{\quad}$
$19 \times 12 = \underline{\quad}$	$20 \times 9 = \underline{\quad}$

Topic: Review Exercise

## 1. Encircle the correct option.

- (i) Adding 2.12 and 2.6  
(a) 4.18      (b) 4.72      (c) 4.0      (d) 4.08
- (ii) Subtracting 3.4 from 5.84  
(a) 2.44      (b) 2.80      (c) 9.24      (d) 2.4
- (iii) How many decimal places has 3.456?  
(a) 6      (b) 5      (c) 4      (d) 3
- (iv) Multiplying 36.57 by 1000.  
(a) 0.03657      (b) 3657      (c) 36570      (d) 365.7
- (v) Dividing 983.6 by 100.  
(a) 9.836      (b) 98360      (c) 98.36      (d) 9836
- (vi) What is the product of 0.6 and 3?  
(a) 18      (b) 1.8      (c) 9      (d) 0.2
- (vii) Dividing 0.4 by 0.2  
(a) 0.02      (b) 0.003      (c) 2      (d) 0.008
- (viii) Change  $\frac{4}{5}$  to decimal.  
(a) 0.008      (b) 1.25      (c) 0.08      (d) 0.8
- (ix) Round 13.568 to the nearest hundredth.  
(a) 13.57      (b) 13.569      (c) 13.6      (d) 13

## 2. Fill in the blanks.

- (i)  $45.23 + 23.76 =$  \_\_\_\_\_
- (ii)  $778.342 - 47.8 =$  \_\_\_\_\_
- (iii)  $66.78 \times 10 =$  \_\_\_\_\_
- (iv)  $83.52 \div 10 =$  \_\_\_\_\_
- (v)  $13.2 \times 7 =$  \_\_\_\_\_
- (vi) 63% in fraction will be \_\_\_\_\_
- (vii) 33.2 has \_\_\_\_\_ decimal places.

-: \_\_\_\_\_ :-