



## Rosary School \ Marj Elhamam

Name : .....  
9 / 2025

Date : /

Subject: Worksheet (1)  
)

Grade : 7 (

**Previous learning Grade (6)**

**Q1: -**

a. Round the following numbers to the nearest tenths:

i. 2.59 <sup>2.6</sup> \_\_\_\_\_  
\_\_\_\_\_

ii. 14.6289 <sup>14.6</sup> \_\_\_\_\_

iii. 102.95 <sup>103.0</sup>

b. Round the following to the nearest hundredths:

i. 124.5987 <sup>124.60</sup> \_\_\_\_\_  
\_\_\_\_\_

ii. 1.543 <sup>1.54</sup> \_\_\_\_\_

iii. 0.2956 <sup>0.30</sup>

**Q2: - Work out**

a.  $12 - 10 = 2$

b.  $-25 - 12 = -37$

c.  $-3 + 7 = 10$

d.  $33 - 5 = 28$

e.  $6 + -41 = -35$

f.  $10 - 18 = -8$

**Q3: - Find The HCF of the following pairs.**

a. 15, 32

b. 25, 50

**HCF = 1**

**HCF = 25**

c. 14, 42

$$\text{HCF} = 14$$

**Q4:-** Find The LCM of the following pairs.

a. 12, 15

b. 10, 18

$$\text{LCM} = 60$$

$$\text{LCM} = 90$$

c. 8, 32

$$\text{LCM} = 32$$

**Q5:-** Work out the value of.

a.  $7 + 5 \times (2^3 - 8) =$

$$7$$

b.  $(7 + 5) \div 2^3 - 8 =$

$$-7$$

c.  $40 \div (5 \times 2) - (2^3 - 6) =$

$$2$$

**Q6:-**  $x$  represents a number. Write an expression for

a. 5 less than double the number. \_\_\_\_\_

b. 2 more than the number multiplied by itself. \_\_\_\_\_

c. The number divided by 4. \_\_\_\_\_

d. 3 times the number plus 2. \_\_\_\_\_

**Q7:- Simplify**

a.  $6y + 8y + 3 =$  \_\_\_\_\_  
\_\_\_\_\_

c.  $6x - 2y + 3x + 5y =$

b.  $5 + 2 - x + 3x =$  \_\_\_\_\_  
\_\_\_\_\_

d.  $5p - 2p + 4 =$

**Q8:- Expand**

a.  $4(x + 2) =$  \_\_\_\_\_

b.  $3(x - 4) =$  \_\_\_\_\_

c.  $6(3 - y) =$  \_\_\_\_\_

d.  $2(2 - w) =$  \_\_\_\_\_

e.  $4(x - 6) + 2(3 - x) =$  \_\_\_\_\_

**Q9:- Use the formula  $t = a - 2b$  to work out the value of  $t$  when**

a.  $a = -3$  and  $b = 5$

-13

c.  $a = 3$  and  $b = -2$

7

b.  $a = 5$  and  $b = 2$

1

d.  $a = -7$  and  $b = -5$

73

**Q10:-** Simplify.

a.  $\frac{16}{32} =$

b.  $\frac{15}{35} =$

c.  $\frac{8}{22} =$

d.  $\frac{33}{55} =$

**Q11:-** Write these improper fractions as mixed numbers.

a.  $\frac{25}{3} =$

b.  $\frac{22}{4} =$

c.  $9\frac{47}{5} =$

**Q12:-** Write these mixed numbers as improper fractions.

a.  $2\frac{5}{7} =$

b.  $3\frac{2}{5} =$

c.  $4\frac{1}{9} =$

**Q13:-** Work out.

a.  $\frac{1}{2} + \frac{7}{10} = 1$

e.  $\frac{2}{3} + \frac{7}{12} = 1\frac{1}{4}$

b.  $30 \times \frac{7}{15} = 14$

f.  $\frac{7}{15} \times 3 = 1\frac{2}{5}$

$$c. \frac{5}{6} - \frac{2}{3} = \frac{1}{6}$$

$$g. \frac{1}{3} - \frac{1}{5} = \frac{2}{15}$$

$$d. 55 \times \frac{2}{11} = 10$$

$$h. \frac{5}{7} + \frac{2}{14} = \frac{6}{7}$$

**Q14:-** Complete the following tables.

a.

<b>Fraction</b>	$\frac{3}{5}$		
<b>Decimal</b>	0.6	0.06	0.18
<b>Percentage</b>	60%	6%	18%

b.

<b>Fraction</b>			$\frac{7}{20}$
<b>Decimal</b>	1.2	2.3	0.35
<b>Percentage</b>	130%	130%	35%

**Q15:-** solve the following problems.

a. A pair of shoes cost \$140. The price is reduced by 10%.

What is the new price?

\$126

b. A pair of shoes cost \$40. The price is reduced by 30%.

What is the new price?

\$28

c. A pair of shoes cost \$200. The price is reduced by 15 %.

What is the new price?

\$170

**Q16:-** Simplify.

a.  $18 : 2.4$

$15 : 2$

b.  $15 : 33$

$5 : 11$

c.  $22 : 42$

$11 : 21$

c.  $1.5 : 200$

$3 : 400$

d.  $24 : 1.2$

$20 : 1$

**Q17:-** Solve the following problems.

a. In a basketball team, the ratio of wins to losses is  $5 : 2$

If the team has 10 wins, how many games have they played in total?

$14$  games

b. In a basketball team, the ratio of wins to losses is  $3 : 4$

If the team has 15 wins, how many games have they played in total?

$35$  games

c. In a classroom, the ratio of boys to girls is  $4 : 6$

If there are 70 students in total, how many boys are in the classroom?

28 boys

- d. In a classroom, the ratio of boys to girls is 3 : 2  
If there are 50 students in total, how many boys are in the classroom.

30 boys

