



Rosary School \ Marj Elhamam

Name :

9 / 2025

Subject: Worksheet (1)
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Date : /

Grade : 7 (

Previous learning Grade (6)

Q1: -

a. Round the following numbers to the nearest tenths:

i. 2.59 2.6

ii. 14.6289 14.6

iii. 102.95 103.0

b. Round the following to the nearest hundredths:

i. 124.5987 124.60

ii. 1.543 1.54

iii. 0.2956 0.30

Q2: - Work out

a. $12 - 10 =$ 2

b. $-25 - 12 =$ -37

c. $-3 + 7 =$ 4

d. $33 - 5 =$ 28

e. $6 + -4 =$ 2

f. $10 - 18 =$ -8

Q3: - Find The HCF of the following pairs.

a. 15, 32

b. 25, 50

H C F = 1

H C F = 25

c. 14, 42

$$\text{H C F} = 14$$

Q4:- Find The LCM of the following pairs.

a. 12, 15

b. 10, 18

$$\text{L C M} = 90$$

$$\text{L C M} = 60$$

c. 8, 32

$$\text{L C M} = 32$$

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 $b = 5$

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

-13

7

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

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

1

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

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.

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

b.

Fraction			$\frac{7}{20}$
Decimal	1.2	2.3	0.35
Percentage	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

