# CLASS 4 <br> FINAL TERM WORKSHEET <br> <br> 2022-2023 

 <br> <br> 2022-2023}

## UNIT 1:Numbers OBJECTIVES

1. The smallest 6 - digit number is

| a | 111111 | b | 100000 | c | 101010 | d | 111000 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

2. Comparison of numbers always starts from the ----

| a | right | b | left | c | last | d | above |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

3. In number 38101, the place value of digit 8 is -----

| a | 8 | b | 80 | C | 8000 | d | 800 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |
| 4. The greatest 5-digit number is ------- |  |  |  |  |  |  |  |
| a | 91000 | b | 99999 | C | 90000 | d | 90101 |
| 5. 34011 is greater than --- |  |  |  |  |  |  |  |
| a | 34010 | b | 34111 | C | 34210 | d | 34212 |
| 6. 31108 is smaller than ---- |  |  |  |  |  |  |  |
| a | 31106 | b | 31107 | C | 30100 | d | 31109 |

7. The sum of 36529 and 41372 is equal to ------

| a | 77904 | b | 77903 | c | 77901 | d | 77902 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

8. The sum of 17278 and 62354 is equal to ------

| a | 78234 | b | 342211 | c | 79632 | d | 213455 |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: | :---: |

9. Ayesha had Rs. 23456. Her friend gave her Rs.13131more.Now she has Rs,

| a | 36587 | b | 35467 | c | 36434 | d | 34567 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 10. When we subtract 73810 from $\mathbf{8 9 6 5 4}$ then we will get ------- |  |  |  |  |  |  |  |
| a | 12345 | b | 13245 | c | 14765 | d | 15844 |

11. In a pond, there were 87654 fish. If 34567 fish are shifted to another pond then ----fish will be left in the first pond.

| a | 53123 | b | 53456 | c | 53087 | d | 53567 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

12. There are $\mathbf{4 5 0 0}$ plants in $\mathbf{9 0}$ rows. Each row contains equal number of plants. Find the number of plants in a row.

| a | 100 | b | 10 | c | 5 | d | 50 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 13. If the price of one book is Rs. 250 , then the price of $\mathbf{2 2}$ books will be |  |  |  |  |  |  |  |

13. If the price of one book is Rs. 250 , then the price of $\mathbf{2 2}$ books will be

| a | Rs. 5555 | b | 5550 | c | Rs. 5500 | d | Rs. 5000 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 14. By dividing $\mathbf{3 9 6 0}$ by 88, we will get ------ | c\|l|l|l|l|l| |  |  |  |  |  |  |
| a | 41 | b | 47 | 46 | d | 45 |  |

15. The next term in $6,18,30,42$, -------

| a | 48 | b | 54 | c | 56 | d | 46 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |
| 16. The next term in 88, 78, 68, is -------------- | b | 58 | c | 48 | d | 47 |  |
| a | 98 | b |  |  |  |  |  |

1. Solve the following

| a). $631 \times 4$ | b). $79762 \times 15$ |
| :--- | :--- |
| c). $585 \div 3$ | d). $1816 \div 4$ |
| e). $133 \div 11$ | f) $.1056 \div 8$ |
| g). $6125 \div 10$ | h). $6972 \div 42$ |

2. Observe the given patterns. Describe the rule and write the next two terms.
a) $11,15,19,23,27$,
b) $30,60,90,120,150$,
c) $106,103,100,97,94$,
d) $560,540,520,500$,
e) $3,9,15,21,---------,---------$.
f) $106,95,84,73,62$,

## LONG Questions

| a). $8046 \times 678$ | a) $7601 \times 546$ |
| :--- | :--- |
| b) $63506 \times 303$ | c) $11098 \times 237$ |
| d) $67453 \times 921$ | e) $1848 \div 88$ |


| f) $7392 \div 32$ | g) $2205 \div 49$ |
| :--- | :--- |
| i). $3294 \div 61$ | h). If 3 036 biscuits are packed in <br> 11 boxes, then find out how many <br> biscuits are there in a box? |

## WORD PROBLEMS

1. Majid earns Rs11 045 in a day. Find:
(a) How much money will he earn in 365 days?
(b) How much money will he earn in 2 years?

| 2. A shopkeeper sells 34523 m <br> cloth in a week. How much <br> cloth will he sell in 21 weeks? | 3. In a factory, 20134 notebooks <br> were printed a day. How many <br> notebooks will be printed in 210 <br> days? |
| :--- | :--- |
| 4. Each member of a group gives Rs <br> 34 156 for a tour of Naran and <br> Kagan. If there are 345 members of <br> the group, how much money will the <br> group collect altogether? | 5. In 45 relief camps, 2 205 <br> blankets were distributed. How blanket did each camp get? |

## UNIT 2:FACTORS AND MULTIPLES OBIECTIVES

Tick the number that is divisible by 2 .
(43, 540, 922, 667)

1. Tick the number that is divisible by 3 .
( $27,165,8955,20)$
2. Tick the number that is divisible by 5 .
(7895, 2298, 50,20)
3. Tick the number that is divisible by 10.
(56560, 1982, 42420, 130 )

## 4. 17. 13 is $a$-----------number.

| a | Composite | b | Common | c | Multiple | d |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- |

5. If -------of all the digits of a number is divisible by 3 , then that number is divisible by 3

| a | Sum | b | Product | c | Quotient | Difference |  |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

6. Prime factorization of $\mathbf{2 4}$ is ---------

| a | $8 \times 3$ | b | $2 \times 2 \times 2 \times 3$ | c | $24 \times 1$ | d | $6 \times 2 \times 2$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

7. The common prime factor of $\mathbf{2}$ and $\mathbf{4}$ is -------

| a | 1 | b | 2 | c | 4 | d | 8 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

8. The first common multiple 5 and 10 is -----

| a | 5 | b | 10 | c | 20 | d | 50 |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## Short Questions

1. Write all composite numbers between 30 and 50 .
$=$
2. Encircle the Prime numbers.
(a) 15
(b) 31
(c) 42
(d) 67
(e) 11
(f) 52
(g) 98
(h) 89
3. Write down the first 15 Prime Numbers.
4. Write down the Prime numbers between 21 and 60 .
4.Find the factors of the given numbers:
a. Factors of 6:
b. Factors of 10: $\qquad$
c. Factors of 12: $\qquad$
d. Factors of 15: $\qquad$
e. Factors of 22: $\qquad$
f. Factors of 27: $\qquad$
g. Factors of 32: $\qquad$
h. Factors of 38 : $\qquad$
i. Factors of 40: $\qquad$
j. Factors of 49: $\qquad$
5. Find the first ten multiples of the following:
a. First ten multiples of 10 : $\qquad$
b. First ten multiples of 2: $\qquad$
c. First ten multiples of 3: $\qquad$
d. First ten multiples of 4: $\qquad$
e. First ten multiples of 5: $\qquad$
f. First ten multiples of 6: $\qquad$
g. First ten multiples of 7: $\qquad$
h. First ten multiples of 8 : $\qquad$
i. First ten multiples of 9:

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7. Find Prime factors of:


## Long questions:

1. Find the common Prime factors of the given numbers:
(a)



Prime factor of 6:
Prime factor of 18 : $\qquad$
Common Prime factors: $\qquad$
(b) 10, 20

|  | 10 |  |  |
| :--- | :--- | :--- | :--- |
|  |  |  | 20 |
|  |  |  |  |
|  |  |  |  |

Prime factor of 10: $\qquad$
Prime factor of 20: $\qquad$
Common Prime factors: $\qquad$
(c) $24,32,18$

|  | 24 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  |  | 32 |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

(d) 14,30

(e) 7, 21, 28

(f) 4, 8


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(g) 13, 39

|  | 13 |  |  |
| :--- | :--- | :--- | :--- |
|  |  |  | 39 |
|  |  |  |  |
|  |  |  |  |

(h) 5, 30, 12

|  | 5 |  |  |  |  |
| :--- | :--- | :--- | :--- | :--- | :--- |
|  |  |  | 30 |  |  |
|  |  |  |  | 12 |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |
|  |  |  |  |  |  |

8. Find the first common multiple of the given numbers:
(a) 3,5

Multiples of $3=$ $\qquad$
Multiples of $5=$ $\qquad$
First common multiple $=$ $\qquad$
(b) 9, 12

Multiples of $9=$
Multiples of $12=$
First common multiple $=$ $\qquad$
(c) 10, 20, 30

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Multiples of $10=$
Multiples of $20=$
Multiples of $30=$ $\qquad$
First common multiple $=$ $\qquad$
(d) 12, 22

Multiples of 12= $\qquad$
Multiples of 22= $\qquad$
First common multiple $=$ $\qquad$
(e) $8,4,16$

Multiples of $8=$ $\qquad$
Multiples of $4=$ $\qquad$
Multiples of $16=$ $\qquad$
First common multiple $=$ $\qquad$
(f) $51,17,34$

Multiples of $51=$ $\qquad$
Multiples of $17=$ $\qquad$
Multiples of $34=$ $\qquad$
First common multiple $=$ $\qquad$
g) 7,14

Multiples of 7=
Multiples of $14=$ $\qquad$
First common multiple $=$ $\qquad$
(h) 6,15

Multiples of 6= $\qquad$
Multiples of $15=$ $\qquad$

First common multiple $=$
i) $2,5,10$

Multiples of $2=$ $\qquad$
Multiples of 5= $\qquad$
Multiples of $10=$ $\qquad$
First common multiple $=$ $\qquad$
Chapter 3

| 1------- is a proper fraction |
| :--- |
| $\frac{5}{4}$ $\frac{1}{2}$ $\frac{9}{4}$ $\frac{4}{2}$ |
| \begin{tabular}{\|c|c|c|c|c|c|}
\hline
\end{tabular} |
| 2.------ is a improper fraction |

3. $\frac{7}{6}-\frac{2}{6}$ is equal to -------

|  | $10 . \frac{9}{6}$ | $12 . \frac{1}{6}$ | $14 . \frac{2}{6}$ | $16 . \frac{5}{6}$ |
| :---: | :---: | :---: | :---: | :---: | :---: | :---: |

4. The product of $\frac{7}{6}$ and 5 is

| a | $\frac{34}{6}$ | b | $\frac{34}{7}$ | c | $\frac{35}{7}$ | d | $\frac{35}{6}$ |
| :--- | :--- | :--- | :--- | :--- | :--- | :--- | :--- |

## SHORT Questions

1. Encircle the unlike fractions.
(a) $\frac{3}{5}, \frac{1}{2}$
(b) $\frac{7}{9}, \frac{4}{9}$
(c) $\frac{6}{11}, \frac{1}{11}$
(d) $\frac{6}{10}, \frac{1}{5}$
2. Compare the given fraction and write symbols of $\langle\rangle,, O R=$
a) $\frac{1}{2} \stackrel{3}{6} \square$
b) $\frac{4}{7}, \frac{9}{10}$

c) $\frac{6}{12} \stackrel{1}{2} \square$

d) | 7 |  |
| :--- | :--- |
| 7 | $\stackrel{5}{8}$ |

e) $\begin{aligned} & 2 \\ & 7 \\ & \begin{array}{l}8 \\ 6\end{array} \square\end{aligned}$
f) $\frac{8}{12} \quad \begin{array}{ll}7 & \boxed{7}\end{array} \square$

g) | 1 | $\frac{1}{3}$ |
| :--- | :--- |

h) $\frac{4}{11}-\frac{7}{10}$

3. Write the following fractions in the lowest form.
$\frac{4}{20}=--\cdots------$
$\frac{12}{16}=$
$\frac{2}{12}=--$
$\frac{30}{45}=--$
$\frac{9}{27}=-$
$\frac{14}{20}=$
$\frac{15}{25}=$

$\frac{16}{24}=$ $\qquad$
$\frac{4}{18}=$
$\frac{17}{34}=$
$\qquad$
9. Encircle the proper fraction among the given fraction and tick the mixed number.
(a) $\frac{2}{5}$
(a) $\frac{7}{8}$
(a) $3 \frac{7}{11}$
(a) $\frac{6}{7}$
(a) $3 \frac{4}{7}$
10. Convert improper fractions into mixed numbers.
(a) $\frac{8}{5}=$
(d) $\frac{20}{9}=$
(b) $\frac{8}{11}=$ $\qquad$ (e) $\frac{15}{2}=$
(c) $\frac{13}{10}=$
(f) $\frac{17}{4}=$
$\qquad$
$\qquad$
11. Convert mixed numbers into improper fractions.
(a) $2 \frac{3}{5}=$
(d) $5 \frac{3}{11}=$
(b) $7 \frac{5}{6}=$
(e) $6 \frac{1}{3}=$
(c) $4 \frac{1}{7}=$
(f) $2 \frac{4}{13}=$
12. Write given fraction in ascending and descending order.

[^0](a) $\frac{3}{5}, \frac{3}{9}, \frac{3}{7}$
=
(b) $\frac{3}{4}, \frac{1}{3}, \frac{6}{7}$
$=$
(c) $\frac{3}{4}, \frac{1}{3}, \frac{6}{7}$
$=$
13. Ali has three full and one-half pizza. How can we write this in mixed numbers?
14. Mahad buys $1 \frac{1}{2} \mathrm{~kg}$ of mangoes. Write this in improper fraction.
11. Solve the following fractions and write the answer in lowest form.
a) $\frac{6}{7}+\frac{5}{7}=$
b ) $\frac{11}{13}+\frac{11}{13}=$
c) $\frac{5}{17}+\frac{11}{17}=$
d) $\frac{7}{15}+\frac{8}{15}=$
(e) $\frac{5}{16}+\frac{5}{16}=$
(f) $\frac{2}{19}+\frac{12}{19}=$
12. Subtract the smallest fraction from the greatest fraction.

| a) $\frac{2}{3}, \frac{3}{3}=$ | (b) $\frac{7}{21}, \frac{15}{21}=$ | (c) $\frac{1}{7}, \frac{7}{11}=$ |
| :--- | :--- | :--- |
| (d) $\frac{8}{10}, \frac{4}{10}=$ | (e) $\frac{11}{12}, \frac{7}{12}=$ | (f) $\frac{5}{15}, \frac{3}{15}=$ |

13. Multiply the following.
(a) $\frac{6}{7} \times 4$
(b) $\frac{13}{11} \times 11$
(c) $\frac{7}{11} \times 2$
$=$

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| (d) $9 \times \frac{5}{6}$ <br> $=$ | (e) $\frac{8}{9} \times 6$ <br> $=$ | (f) $3 \frac{2}{3} \times 22$ <br> $=$ |
| :--- | :--- | :--- |

14. Solve:

| (a) $\frac{6}{2} \times \frac{3}{6}$ | b) $\frac{9}{11} \times \frac{5}{10}$ | (c) $\frac{3}{17} \times 3 \frac{3}{4}$ |
| :--- | :--- | :--- |
| (d) $\frac{7}{20} \div 2$ | (e) $\frac{20}{35} \div 9$ | (f) $\frac{21}{27} \div 3$ |
| (g) $\frac{14}{16} \div 7$ | (h) $\frac{15}{20} \div 21$ | (i) $\frac{14}{18} \div 18$ |

## Long Questions.

15. Solve the following.
(a) $\frac{2}{9} \times 1 \frac{5}{6} \times \frac{5}{6}$
(b) $\frac{8}{12} \times 3 \frac{8}{11} \times \frac{5}{7}$
(c) $\frac{4}{3} \times \frac{1}{4} \times 7 \frac{7}{10}$
16. $\frac{11}{12} \mathrm{~kg}$ of od artificial fertilizer and $\frac{7}{14} \mathrm{~kg}$ of natural fertilizer have been used in a field. How much quantity of both fertilizers have been used?

| 17. A painter paints $\frac{7}{13}$ part of <br> the wall in the first day and $\frac{3}{13}$ <br> part on the second day. <br> a. How much he paints in two days? | b. On which day does he paint <br> more and how much? |
| :---: | :---: |
| Saba did her math's <br> homework in $\frac{2}{10}$ hours and her <br> sister did her math's <br> homework in $\frac{7}{10}$ hours. How <br> many hours did both take to <br> complete their homework? | in a business. Shiraz gets $\frac{7}{11}$ share <br> and Omar gets $\frac{10}{11}$ share of the <br> profit. Who has more share and <br> how much? |

22. The distance between Hamid's home and Masjid is $2 \frac{3}{4}$ kilometers. If Hamid goes to the Masjid to offer Salah five times, then how much distance does he cover daily?

## UNIT 4:Decimals

## OBJECTIVES

- Decimals is a fraction with the denominator in power of ---------- $\quad(10,2,15,0)$
- When we divide a shape into 10 equal parts, then each part is called------
(hundredths, tenths, one, half)
- To add the decimals always- $\qquad$ ones in ones, tenths in tenths and hundredths in hunc (add, subtract, multiply, divide)
- When we multiply any decimals by 100 , we move the decimal---------- place to the right. (1, 2, 3, 0)
- -------------- means to find a number that is nearest to the original number but not exact. (decimal, fraction, round off, estimation)


## Short questions.

- Write the fractions into decimals.

| $\frac{16}{100}=$ | $\frac{1}{10}=\ldots$ | $\frac{70}{1000}=$ |
| :--- | :--- | :--- |
| $\frac{24}{100}=$ | $\frac{606}{1000}=$ | $\frac{1}{50}=$ |
| $\frac{60}{200}=$ | $\frac{12}{500}=$ | $\frac{80}{1000}=$ |

Write the place value of the underlined digits.

[^1]| $1.56=$ | $45.9 \underline{8} 7=$ | $\underline{321.17}=$ |
| :--- | :--- | :--- |
| $\underline{109}=$ | $78.80 \underline{8}=$ | $6.34 \underline{0}=$ |

convert into fraction and write them in lowest form.

| $1.3=\ldots$ | $6.98=\ldots$ | $6.10=\ldots$ |
| :--- | :--- | :--- |
| $21.72=\ldots$ | $0.98=\ldots$ | $2.04=\ldots$ |

Add the following.

| $9.11,8.03$ | $6.02,1.89$ | $49.3,21.6$ | $52.9,2.2$ |
| :--- | :--- | :--- | :--- |
|  |  |  |  |

Solve the following.

| $4.91-3.92$ | $7.34-2.86$ | $78.9-7.84$ | $5.06-2.76$ |
| :--- | :--- | :--- | :--- |
| $5.9 \times 10=$ | $4.8 \times 100=$ | $0.3 \times 1000=$ | $8.2 \times 10=$ |
| $5.6 \times 8$ | $1.3 \times 7$ | $4.9 \times 4$ | $1.3 \times 7$ |
| $1.4 \div 2$ | $2.7 \div 3$ | $2.6 \div 2$ | $6.4 \div 4$ |

Round off the following whole numbers to the nearest 10, 100, 1000

| $9871=$ | 5467= | $1212=$ | $3498=$ | $5555=$ |
| :--- | :--- | :--- | :--- | :--- |

Round off the following decimal fractions to the nearest whole number.

| $5.61=$ | $54.2=$ | $987.4=$ | $12.7=$ | $6.5=$ |
| :--- | :--- | :--- | :--- | :--- |

## Word problems.

Zubair bought a chocolate for Rs 45.7 and a candy for Rs 10.2. how much amount did he spend altogether?

The mass of apples is 38.9 kg and mass of guava is 42.6 kg .
a) find the difference between mass of apples and guavas.
b) find the total mass.

Saba uses 9.8 ml of oil to bake a cake. How much oil will she use to bake 10 such cakes?

Ahmad solves 5 questions of mathematics in 8.5 minutes. How long does he take To solve 1 question?

A tailor uses 2.5 m cloth to make a shirt. How much cloth will he use to make 8 Similar shirts?

UNIT 5: Measurements (length, mass, capacity)

## OBJECTIVES

- There are ------- metre in one kilometer.
$(1,10,100,1000)$
- There are -----------grams in one kilogram.
( $1,10,100,1000$ )
- To convert cm into mm , multiply it by (10000, 100, 10, 1000)
- One meter is equal tocentimeters. (1000, 10, 1, 100)
- One litre is equal to 1000 $\qquad$
- 7m=-------------cm
(70, 700, 0.7, 7)
- $78 \mathrm{~cm}=$
mm
(780,7.80, 78, 87)
- $56 \mathrm{~cm} 7 \mathrm{~mm}=$ $\qquad$ mm -g
(650, 6500, 65000, 65.000)
(3000, 300, 30, 30000)
- We use --------- to measure the mass of light objects. ( grams, litre, meter, non)
- We use -------------to measure the mass of heavy objects.
(millilitre, kilogram, litre, kilometer)
- To find the capacity of the water bottle, we use the unit of
( Meter, litre, gram, centimeters)
- Millimetres, Metres, Centimetres and Kilometres are the units of-----------
(length, mass, capacity)
- A mm is a----------- unit of length.(greater, smaller)
- A km is a much ------------ unit of length.(larger, smaller)
- $1 \mathrm{~cm}=---------\mathrm{mm}(100,10,1000)$
- $1 \mathrm{~m}=------------\mathrm{cm}(100,10,1000)$
- 1km=-----------(100,10,1000)
- Distance between your home and school is measured in------------(km, kg, L, mm)
- $1 \mathrm{~kg}=---------(1000,100,10)$
- A kg is a much -----------unit of weight(smaller, larger)
- A gram is a----------- unit of mass(larger, smaller)
- The amount of water that a glass can hold is called its-------(capacity, mass)
- 1L=---------ml(100,10,1000)


## Short Questions

Convert these units.

| 12 km into m | 56 km 930 m into m | 88 m into cm |
| :--- | :--- | :--- |
| 3.2 cm into mm | 55 cm 2 mm into mm | 65 kg into g |
| 23 kg 139 g into g | 89 g into mg | 43 g 699 mg into mg |
| 1.9 g into mg | 91 into ml |  |


| 67 l into ml | 1.6 l into ml | 561 into ml |
| :--- | :--- | :--- |

Solve the given units.

| $22 \mathrm{~km}+33 \mathrm{~km}$ | $88 \mathrm{~km}+6 \mathrm{~km} 17 \mathrm{~m}$ |
| :--- | :--- |
| $71 \mathrm{~cm} \mathrm{2mm}+11 \mathrm{~cm} 6 \mathrm{~mm}$ | $74 \mathrm{~km} 122 \mathrm{~m}+13 \mathrm{~m}$ |
| $52 \mathrm{~km} 48 \mathrm{~m}-6 \mathrm{~km} 22 \mathrm{~m}$ | $35 \mathrm{~cm} \mathrm{5mm}-25 \mathrm{~cm} 1 \mathrm{~mm}$ |
| $21 \mathrm{~m} \mathrm{16cm-20m14cm}$ | $99 \mathrm{~km}-74 \mathrm{~km}$ |
| $71 \mathrm{~g} \mathrm{2mg}+11 \mathrm{~g} 560 \mathrm{mg}$ |  |


| $8.2 \mathrm{~g}+2.2 \mathrm{~g}$ | $36 \mathrm{~kg}+76 \mathrm{~kg}$ |
| :--- | :--- |
| $904 \mathrm{~g}-154 \mathrm{~g}$ | $39 \mathrm{~g} \mathrm{500mg-25g} \mathrm{100mg}$ |
| $58 \mathrm{~kg} 458 \mathrm{~g}-29 \mathrm{~kg} 303 \mathrm{~g}$ | $99 \mathrm{~kg}-24 \mathrm{~kg}$ |
| $3 \mathrm{l} 109 \mathrm{ml}+5 \mathrm{l} 304 \mathrm{ml}$ |  |
| $34 \mathrm{l} 200 \mathrm{ml}+92 \mathrm{l}$ | $6.5 \mathrm{l}+4.2 \mathrm{l}$ |
|  |  |
| $2.2 \mathrm{ml}-1.5 \mathrm{ml}$ | $41 \mathrm{l} 200 \mathrm{ml}+404 \mathrm{l} 478 \mathrm{ml}$ |
| $500 \mathrm{ml}-10 \mathrm{l} 109 \mathrm{ml}$ | $551-32 \mathrm{l}$ |

## word problems.

Tahir has two pieces of rope. The length of one piece is 38 m 87 cm and length of the other piece is 61 m 12 cm . what will be the total length?

Ahmad buys 140 cm ribbon to wrap the gift box. Convert the length into Millimeters.

The length of Ahmad's room is 5 m 56 cm and his sister's room is 4 m 44 cm
a) what will be the total length of both rooms in cm ?
b) what is the difference between the length of both rooms?

A shopkeeper sells 49 kg 208 g of sugar and 65 kg 750 g of flour. Find the total quantity of sugar and flour in grams?

Jamal weighs 67 kg 278 g and his father weighs 89 kg 924 g .
a) what is the difference between their masses?
b) convert the difference between their masses into grams.

The capacity of an oil tanker is 981 . convert it into milliliters.

Faria uses 1.7 litres of milk to make milkshake. Convert the quantity of milk into Milliliters.

Zara has two containers. The capacity of one container is 671198 ml and the other 300ml.
a) what is the total capacity of the containers?
b) what is the difference between the capacity of both containers?

## UNIT 5: Measurements ( Time) <br> OBJECTIVES

- There is $13: 50$ in 24 hour clock, what time will be in 12-hour clock?
(1:50a.m, 3:50p.m, 1:50p.m, 12:50p.m)
- There is $3: 55$ p.m in 12 hour clock, what time will be in 24 - hour clock?
(13:55, 14:55, 15:55, 16:55)
- Which time is the longest from the following?
( 2 years, 12 months, 1 year 3 months, 350 days)
- There are months in 2 years 6 months.
$(21,28,26,30)$
- To convert years into months, we multiply the given years by
- 1 minute=---------- seconds.
- 1 hour=--------------- minutes $(24,60,30,12)$
- 1 day=--------------hours.
(7, 12, 24, 30)
- 1 year=--------------months.
- 1 week= days (7, 30, 24, 365)
- 1 month=------------days (12, 30,7,24)


## Short Questions

Convert into minutes.

| 6 h | 201 h | 14 h 12 min | 5 h 55 min |
| :--- | :--- | :--- | :--- |
| 22 h 15 min | 27 h 38 min | 42 h 26 min | 9 h 43 min |

Convert into seconds.

| 77 min | 43 min | 1 min 13 sec | 8 min 32 sec |
| :--- | :--- | :--- | :--- |
| 214 min 24 sec | 100 min 11 sec | $176 \min 18 \mathrm{sec}$ | $65 \min 37 \mathrm{sec}$ |
|  |  |  |  |

Convert into months.

| 9years | 4years | 8years 3months |
| :--- | :--- | :--- |
| 5years 4months | 17years 10months | 21years |
|  |  |  |
|  |  |  |


| 20years 6months | 15years 11months | 30years 11months |
| :--- | :--- | :--- |

Convert into days.

| 11weeks | 5weeks | 9weeks 6days |
| :--- | :--- | :--- |
| 32weeks | 4weeks 3days | 2weeks 5days |
| 25weeks | 41 months 12days | 54months 13days |

Solve the following.

| $34 \mathrm{~h} 11 \mathrm{~min} 13 \mathrm{sec}+11 \mathrm{~h} 18 \mathrm{~min} 32 \mathrm{sec}$ | $24 \mathrm{~h} 34 \mathrm{~min} 37 \mathrm{sec}+2 \mathrm{~h} 21 \mathrm{~min} 11 \mathrm{sec}$ |
| :--- | :--- |
| $54 \mathrm{~h} 19 \mathrm{~min} 45 \mathrm{sec}+43 \mathrm{~h} 20 \mathrm{~min} 10 \mathrm{sec}$ | $5 \mathrm{~h} 15 \mathrm{~min} 31 \mathrm{sec}+4 \mathrm{~h} 4 \min 25 \mathrm{sec}$ |
|  |  |
|  |  |


| 49yeas2months5days+40years <br> 5months11days | 27years3months5days+32years <br> 6 6months4days |
| :--- | :--- |
|  |  |

Solve the following.

| $45 \mathrm{~h} 45 \mathrm{~min} 489 \mathrm{sec}-10 \mathrm{~h} 23 \mathrm{~min} 38 \mathrm{sec}$ | $57 \mathrm{~h} 22 \mathrm{~min} 27 \mathrm{sec}-33 \mathrm{~h} 11 \mathrm{~min} 12 \mathrm{sec}$ |
| :--- | :--- |
| $65 \mathrm{~h} 28 \mathrm{~min} 56 \mathrm{sec}-54 \mathrm{~h} 20 \mathrm{~min} 45 \mathrm{sec}$ | $6 \mathrm{~h} 26 \mathrm{~min} 42 \mathrm{sec}-5 \mathrm{~h} 15 \mathrm{~min} 321 \mathrm{sec}$ |
|  |  |
| 88years11months29days - 46years <br> 10 months15days | 37years6months29days - 17years <br> 6months18days |
|  |  |

## Word problems

Ahmad went to his grandmother's home on Sunday and stays there for 2 hours and 20 minutes. On Monday, he went to his aunt's home and he spent 4hours and 23 minutes. Find
a) How much time did he spend at his relative's home?
b) Write the time in minutes.

Maha takes 9hours23minutes to complete a picture while Rohan takes 7hours10minutes to complete the same picture. Find a) How much more time does Maha take?
b) the total time they take altogether.

Fareeha completes her medical education in 4 years 10 months 7 days And her house job in 2 years 2 days. How much time did she spend in Medical education and house job?

## UNIT 6: Geometry <br> OBJECTIVES

is formed by a pair of intersecting lines.
(angle, line, circle, arc)

- The point where the arms are attached is called its-----------
(vertex, circle, radius, diameter)

Exact $90^{\circ}$ angle is called (obtuse, right, acute, straight)
-is used to measure angles (ruler, set of squares, protractor)

- Greater than $90^{\circ}$ angle is called ------------angle (obtuse, right, acute, straight)
- Angles are measured in(cm, m, degree, kg)
- Less than $90^{\circ}$ angle is called--------------angle (acute, obtuse, right, straight)
- A line segment which join any two points on a circle and passes through Its centre is called--------(chord, arc, radius, diameter)
- A line from the centre to a point on the circle is called----------(radius,diameter,arc)
- The lines which keep going straight and never meet each other are called Lines. (horizontal, vertical, parallel, non-parallel)
- There are $\qquad$ -small parts in a protractor and each part is equal to 1 degree. ( $150,120,180,360$ )
- When horizontal and vertical lines intersect each other at a point, they form------(right angles, obtuse angles, acute angles, horizontal angles)
- The length of boundary of a circle is called -------------of the circle.
(circumference, centre, diameter, radius)
- The area covered by a closed figure is the $\qquad$ of that figure. (length, side, perimeter, area)
- Line of symmetry divides a figure into -equal parts. $(5,4,3,2)$
- A cube has -------edges. $(12,8,6,4)$
- A cube has -------surfaces. $(12,8,6,4)$
- A cube has -------vertices. (12, 8, 6, 4)
- A cuboid has -------edges. (12, 8, 6, 4)
- A cuboid has -------surfaces. $(12,8,6,4)$
- A cuboid has -------vertices. $(12,8,6,4)$
- A sphere has -------edges. $(6,8,3,0)$
- A sphere has -------surfaces.
$(6,1,3,0)$
- A sphere has -------vertices. $(6,8,3,0)$
- A cylinder has -------vertices. $(6,8,3,0)$
- A cylinder has -------edges. (6, 2, 4, 0)
- A cylinder has -------surfaces.
$(6,8,3,0)$
- A cone has -------edges.
- A cone has -surfaces.
- A cone has -vertices.


## Short Questions

Identify the parallel and interesting lines


Write the types of angles

|  |  |  |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |
|  |  |  |

## Mreasure these angles.

|  |  |  |
| :--- | :--- | :--- |
|  |  |  |
|  |  |  |

Construct the angles.

| $60^{\circ}$ | $30^{\circ}$ |
| :--- | :--- |
| $115^{\circ}$ | $90^{\circ}$ |
|  |  |

Draw the parts of the circle.


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Write the name of parts of the circle.


Find the perimeter.


Find the area .


Write (yes) on figures where you see line of symmetry.


Write surfaces, edges and vertices of the following.


## Definitions

Learn these definitions.

## Parallel Lines:

The lines which never meet each other and the distance between them always Remain same are called parallel lines. A B
$A B$ II CD
C D

## Non-parallel :

Non-parallel lines are those lines which intersect each other at any point if they are extended.


## Angles:

When two non-parallel lines intersect each other at a point, different angles are
formed at the common point.


## Acute angles:

Angles less than $90^{\circ}$ are called acute angles.


## Obtuse angles:

Angles greater than $90^{\circ}$ are called obtuse angles.


## Right angles:

Angles exactly $90^{\circ}$ are called right angles. $\square$

## Perimeter:

Total length of all sides of a closed figure is called perimeter of that figure.

## Area:

The surface covered by a square is called its area.it is calculated in $\mathrm{cm}^{2}$ and $\mathrm{m}^{2}$.

## Radius of a circle:

The line segment which joins any point on the circle to its centreis called radius o circle.


## Diameter:

The line segment which joins any two points on a circle and passes through its cer called a diameter


## "Self-belief and hard work will always earn you <br> SUCCESS."

Jhank you


[^0]:    Sohaila rani

[^1]:    Sohaila rani

