

WEEK – 1

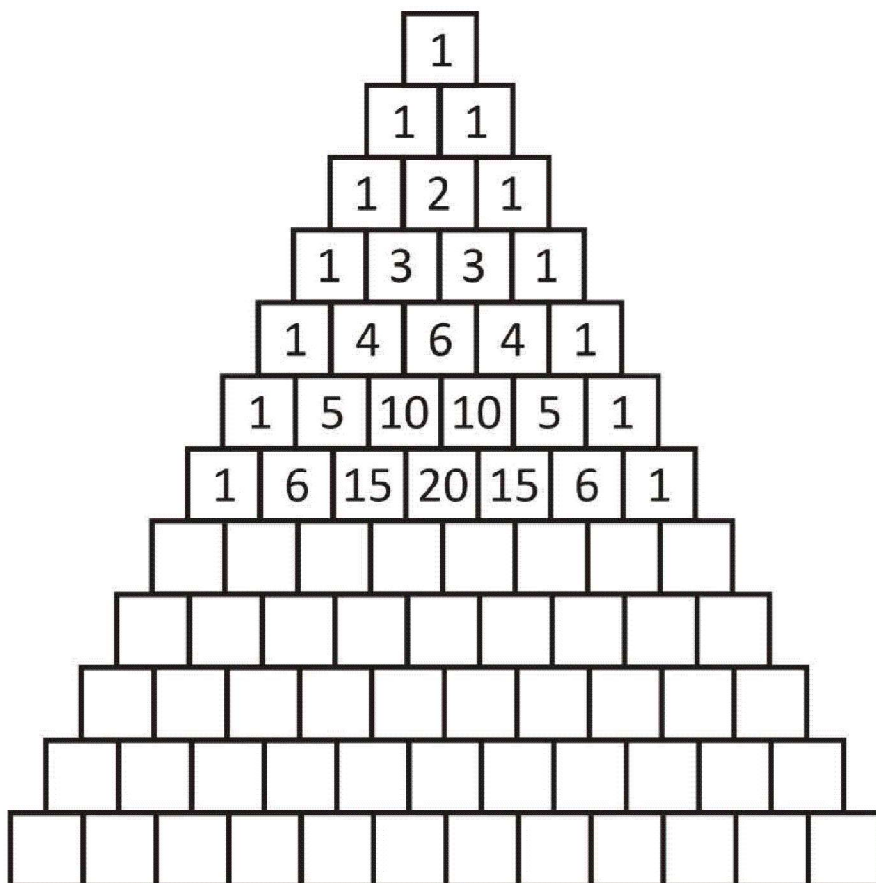
OPERATIONS WITH LARGE NUMBERS

I. Solve the following :

- a) $4,288,937 + 2,816,006$
- b) $1,688,945 + 6,463,482$
- c) $71,136,796 - 20,065,700$
- d) $83,754,699 - 3,970,084$

II. Solve the following :

- a) 78×256
- b) 448×150
- c) $9998 \div 33$
- d) $4679 \div 32$
- 3) A town has a total population of 4,00,000. The population of females is 1,20,500 and the population of males is 1,50,800. Find the number of children in the town.
- 4) There are 5,200 sacks of wheat, 56,100 sacks of pulses and 60,000 sacks of rice in store for a sale. Find the total amount of food grains in storage.
- 5) Subtract the sum of 85,030 and 32,100 from the sum of 5,52,000 and 5,410.
- 6) Find the product of smallest 5-digit number and the largest 6 digit number.
- 7) If each box contains 50 matchsticks then find the number of matchsticks in 1500 such boxes.
- 8) If the product of two numbers is 2550 and one of the number is 25. Find the other number.
- 9) To stitch a shirt, 2m 15 cm cloth is needed. Out of 40 m cloth how many shirts can be stitched.
- 10) Shekar is a famous cricket player. He has so far scored 6980 runs in test matches. He wishes to complete 10,000 runs. How many more runs does he need ?

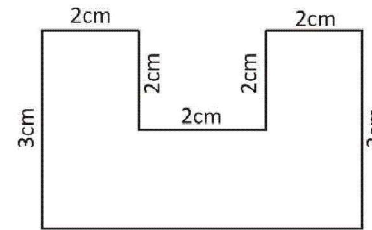


WEEK – 2

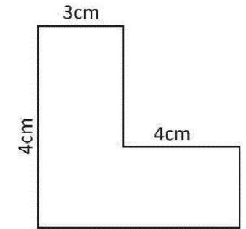
TEST OF DIVISIBILITY

- 1) State whether the numbers are divisible by 2.
a) 4554 b) 14265 c) 2288 d) 12012
- 2) Which of the following numbers are divisible by 5 and 10 ?
a) 149 b) 19400 c) 7355
- 3) Check the divisibility of the following numbers by 3 and 9.
a) 1098 b) 1245 c) 872154
- 4) Check the divisibility of the following numbers by 4 ?
a) 5164 b) 28170 c) 3116
- 5) Check the divisibility of the following numbers by 8 ?
a) 1968 b) 34408 c) 2735
- 6) Check the divisibility of the following numbers by 6 ?
a) 1896 b) 4203 c) 4260
- 7) Check the divisibility of the following numbers by 11 ?
a) 45353 b) 946 c) 51111
- 8) Check the divisibility of the following numbers by 12 ?
(Hint : If the number is divisible by both 3 & 4)
a) 2436 b) 51020
- 9) Check the divisibility of the following numbers by 15 ?
(Hint : If the number is divisible by both 3 & 5)
a) 810015 b) 72520
- 10) Check the divisibility of the following numbers by 25 ?
(Hint : In the number last tens and ones place is divisible by 25)
a) 4150 b) 65585

- 7) Find the area and perimeter of the given figures.



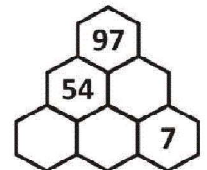
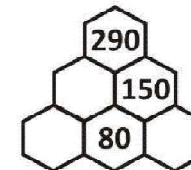
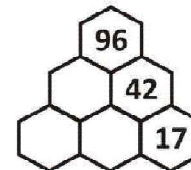
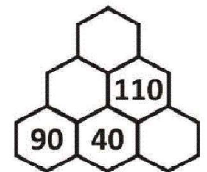
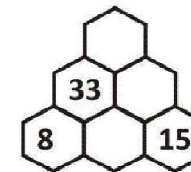
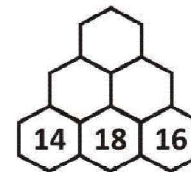
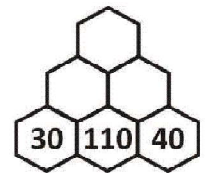
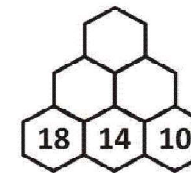
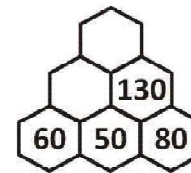
(a)



(b)

- 8) A rectangular carpet measures 3m 75 cm by 1m 75 cm. What is its perimeter.
- 9) Find the perimeter of a regular pentagon of side 3.5 cm.
- 10) What happens to the area of a square if its side is doubled.

ACTIVITY : PUZZLE



- 8) Arrange the following decimals in ascending and descending order.
5.2, 5.02, 5.22, 5.002
- 9) Convert the following fractions to decimals
- a) $\frac{15}{7}$
- b) $\frac{23}{28}$
- c) $\frac{125}{13}$
- 10) Sarah went to the store. She bought a bag of apples for ₹ 154.35, a loaf of bread for ₹ 30.72 and a carton of milk for ₹ 935.27. How much did Sarah spend in total ?

WEEK – 6

MENSURATION

- Find the area of a rectangle with a length of 8 cm and width of 5 cm.
- Find the area of a square with a side length of 7m.
- Find the perimeter of a square with side length of 19 m.
- Find the perimeter of a rectangle with a length of 10 cm and width of 6 cm.
- Find the perimeter of a triangle with sides 12 cm, 15 cm and 18 cm.
- Find the length of a rectangle that has a width of 5 cm and an area of 30 cm^2 .

WEEK – 3

HCF AND LCM

- List all the factors of the following :
a) 24 b) 36
- List the first 5 multiples of the following :
a) 3 b) 8 c) 7
- Find the prime factors of the following :
a) 12 b) 22 c) 35
- Find HCF of 15, 30 by listing the factors.
- Find LCM of 6 and 8 by listing the multiples.
- Find HCF of 48, 72 and 90 by prime factorization method.
- Find LCM of 18 and 27 by prime factorization method.
- Find LCM of 30, 55 by division method.
- Find HCF of 35 and 49 by the division method.
- Complete the following table.

	Numbers	Their product	HCF	LCM	Product of LCM & HCF
1)	12, 20				
2)	25, 40				

WEEK – 4

FRACTIONS

1) Simplify the following fractions to their lowest terms :

a) $\frac{12}{18}$

b) $\frac{420}{310}$

c) $\frac{24}{32}$

2) Add or subtract the following fractions and simplify your answers :

a) $\frac{17}{24} + \frac{15}{24}$

b) $\frac{3}{8} + \frac{1}{2}$

c) $\frac{7}{10} - \frac{1}{5}$

d) $\frac{2}{3} + 3\frac{4}{2} - 3\frac{1}{6} + 2\frac{1}{3}$

3) Multiply the following fractions :

a) $\frac{1}{3} \times \frac{2}{5}$

b) $\frac{15}{7} \times \frac{14}{60}$

c) $\frac{6}{8} \times \frac{2}{3} \times \frac{18}{42}$

4) Divide the following fractions :

a) $\frac{7}{14} \div \frac{21}{7}$

b) $\frac{2}{3} \div \frac{42}{18}$

5) A pizza is cut into 8 slices. John ate $\frac{3}{8}$ of the pizza, and Mary ate $\frac{1}{4}$ of the pizza. What fraction of the pizza was eaten in total ?

6) Compare the fractions $\frac{8}{11}$ and $\frac{12}{5}$.

7) Subtract the sum of $\frac{5}{9}$ and $\frac{2}{9}$ from the sum of $\frac{8}{9}$ and $\frac{2}{9}$.

8) A student has a book with 240 pages. He read $\frac{3}{8}$ of the book on Monday and $\frac{2}{5}$ of the book on Tuesday. How many pages did he read in total ?

9) A rectangular garden has a length of $8\frac{1}{2}$ m and a width of $6\frac{2}{3}$ m. What is the area of the garden ?

10) A rope was $\frac{7}{8}$ m long. A portion of the rope, measuring $\frac{1}{4}$ m was cut off. How long is the remaining rope ?

WEEK – 5

DECIMALS

1) Express 0.891 in expanded form.

2) Add : 9.07, 2.345, 10.15, 12.5

3) Find the product of 1.67 and 25.03

4) Divide :

a) $12.6 \div 3$

b) $15.75 \div 2.5$

5) Form a number with 4 tenths, 9 thousandths, 7 tens, 8 hundreds

6) A piece of rope is 8.75 m long. John cuts off 2.3 m. How long is the remaining rope ?

7) A store is selling pencils for ₹ 5.75 each. How much will 12 pencils cost?