

REVISION WORKSHEET FOR CLASS - V
(MATHEMATICS)

FACTORS AND MULTIPLES

1. Fill in the blanks:
 - a) 345 is divisible by both the numbers _____ and _____.
 - b) For a number to be divisible by 2, it must have ____ in the ones place.
 - c) The H.C.F of two consecutive numbers is _____.
 - d) The smallest odd prime number is _____.
 - e) The greatest factor of 39 is _____.
 2. Find the H.C.F by Long division method:
 - a) 45, 65, 75 b) 36,48,96
 3. Find the H.C.F of 64 and 80 by prime factorization method.
 4. Find the L.C.M of a) 21,14,35 b) 27,54,63
 5. The H.C.F of 66 and another number is 33. Their L.C.M is 198. Find the other number.
 6. Is the number 1032 divisible by 6? State the rule of divisibility to support your answer.
 7. Write a digit in the place of the * so that the number formed is divisible by 3
 - a) 2*67 b) 9*13 c) 50*3
 8. Write true or false:
 - a) The H.C.F of two or more numbers is greater than or equal to the number.
 - b) Any two consecutive numbers are co-prime
 - c) The numbers 9 and 11 are twin prime.
 - d) When one number is a factor of another number, the greater number is their H.C.F.
 9. Write down the prime numbers between 80 and 100.
 10. Write all the factors of 105.
 11. Find all 2 digit numbers multiples of 9.
 12. a) Is 28288 divisible by 8?
b) Is 9 a factor of 10926?
 13. Write 162 as product of its prime factors.
 14. Which of the following are co-prime numbers:
 - a) 48,52 b) 9,16 c) 32,49 d) 54, 81
 - b) H.C.F of two co-prime numbers is always _____ and L.C.M is _____.
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UNITARY METHOD

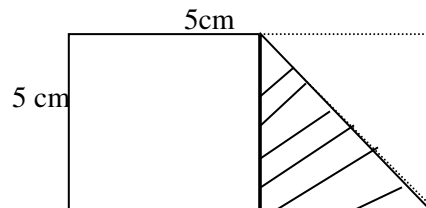
1. How much will 8 books cost if 7 books cost Rs 910?
2. The school fee for a term of 4 months is Rs 1260. Find the annual fees.
3. A bag of 10 kg of rice cost Rs 185. What will be the cost of 8 kg of rice?
4. The cost of 11 sofa sets of the same kind is Rs 66,000. What amount will a tent house manager pay for 6 such sofa sets?
5. How much will Rahul pay for 9 pastries if 4 pastries cost Rs 120?

ESTIMATION

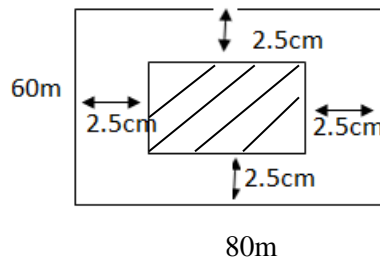
1. Round off the following to the nearest tens:
a) 831 b) 1005 c) 311 d) 1257
2. Round off the following to the nearest hundreds:
a) 1089 b) 635 c) 1105 d) 2008
3. Round off the following to the nearest thousands:
a) 23,096 b) 3854 c) 1156 d) 998
4. Estimate the sum:
a) $3299 + 2563$ b) $2908 + 1356 + 35$ c) $210 + 317 + 9$
5. Estimate the difference:
a) $2354 - 1178$ b) $2908 - 1876$ c) $3657 - 277$
6. Estimate the product:
a) $8546 \text{ by } 72$ b) $5432 \text{ by } 46$ c) $4258 \text{ by } 6$
7. Estimate the cost of 35 cricket bats if each cricket bat cost Rs 1095.
8. A milkman has delivered 2563 litres of milk on Monday, 2815 litres of milk on Tuesday and 3105 litres of milk on Wednesday. Estimate the average quantity of milk delivered.

PERIMETER AND AREA

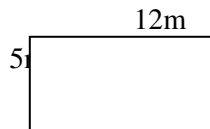
1. Fill in the blanks:
a) 1 hectare = _____ sq.m
b) 1 sq. m = _____ sq.cm
c) The perimeter of a square is 128 m, the side will be _____.
d) _____ will be the length of a rectangle of area 90 sq. m and breadth 5m.
2. A rectangular piece of paper shaded on one side is folded to form the shape shown below. What is the perimeter of the rectangular piece of paper?



3. One side of a square garden is 18 m. Radha walked along the entire boundary of the garden. What is the distance covered by Radha?
4. Pinky runs 8 times around a rectangular park of length 80 m and breadth 55 m while Pankaj runs 7 times around a square park of side 75 m. Who covers more distance and by how much?
5. Find the area of square whose perimeter is 32cm.
6. The perimeter of a rectangular field is 360m and breadth is 15m. Find its length.
7. In the adjoining figure, find the area of the path (shown shaded) which is 2.5 m wide all around.



8. How many tiles of length 12cm and breadth 5cm will be needed to cover a rectangular region whose length and breadth are 1m and 144 cm respectively?
9. The cost of putting a fence around a square field at Rs 25 per metre is Rs 2000. Find the length of each side of the field?
10. In the adjoining plot of land, all the adjacent sides are at right angles. Find
 - a) The perimeter of the plot.
 - b) The area of the plot.
 - c) The cost of leveling the ground at the rate of Rs 11.40 per sq. m



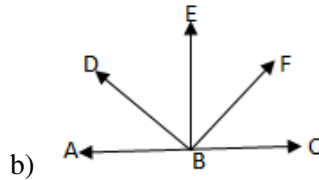
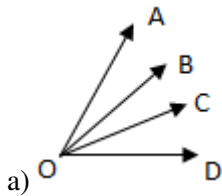
METRIC SYSTEM

1. Express in metres using decimal notation:
 - a) 5m 88cm
 - b) 2dm 2cm 6mm
 - c) 60cm
 - d) 8m 9cm
2. Express in kilometres using decimal notation:
 - a) 2km 470m
 - b) 7km 2hm 9dam 8m
 - c) 310km 25m

3. Express in metres and centimeters:
- 2.22m
 - 0.08m 29.05m
4. Express in kg, hg, dag and g:
- 6.435kg
 - 8.07 kg
 - 9.005kg
5. Express the following in litres using decimal notation:
- 3L 6 dL 4 cL 7mL
 - 9 L 5 mL
 - 8cL 7 mL
6. Find the sum:
- 9m 35 cm + 18m 39cm
 - 17kg 750g + 27kg 230g
 - 76L 307mL + 28L 950mL
7. Subtract:
- 60 m 75 cm from 64m
 - 180L 340mL from 350L 275mL
 - 27m 13cm from 39m 10cm
8. Fill in the blanks:
- Half a litre = _____ mL.
 - One tenth of a kilogram = _____ g.
 - Half of a kilometre = _____ m.
 - One fourth of a litre = _____ mL.
9. Word problems:
- Saira bought 3kg 250g potatoes, 2kg 750g onions and 1 kg 500g tomatoes from the market. Find the total weight with her.
 - Julee bought 3m 50cm white ribbon, 4m 75cm red ribbon and 5m 75 cm green ribbon. Find the total length of ribbon she bought.
 - A shopkeeper has three drums containing oil. In one drum he has 9L 550mL oil, in the second he has 12L 250mL oil and in the third he has 7L 450mL oil. Find the total quantity of oil with the shopkeeper.
 - Aashi bought 5 litres of milk. She used 2 L 225mL of milk in the morning. How much milk was left with her?
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GEOMETRY

1..Name all possible angles in the following figures.



2. Measure the following angles and identify them as acute, obtuse or right angle.



3. Draw the angles of the following measures using a protractor.

- a. 45° b) 105° c) 80° d) 160° e) 95°

4. Draw the following line segments using a ruler.

- a. 7.5cm b) 5.6cm c) 4.7cm d) 6.3cm

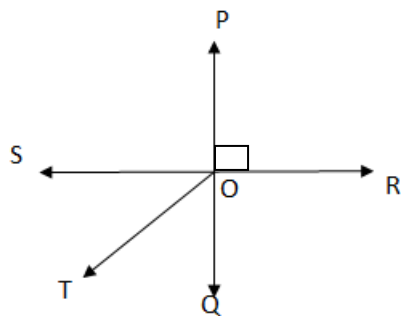
5. Which of the following measures of three angles can be those of a triangle ?

- a. $45^\circ, 45^\circ, 90^\circ$ b) $82^\circ, 40^\circ, 58^\circ$ c) $63^\circ, 75^\circ, 42^\circ$
 d) $62^\circ, 91^\circ, 27^\circ$ e) $60^\circ, 28^\circ, 92^\circ$

6. Draw a circle of radius 3.5cm using a compass.

7. Study the diagram and answer the questions.

- b. Name a right angle.
 c. Name two acute angles.
 d. What is the measure of $\angle POS$?
 e. What kind of angle is $\angle POT$?



PROFIT & LOSS

1. Anand Bought a table for Rs. 740/- and paid Rs. 150/- as transportation charges. He sold it for Rs. 1000/-. Did he earn a profit or suffer a loss? Find out how much is it.
2. Rabi bought a digital camera for Rs. 2585 and sold it for Rs. 2650. What was his profit?
3. Aakash bought a watch for Rs. 1800. He sold it for a profit of Rs. 200. Find the selling price of watch
4. Pankaj sold tomatoes for Rs. 20 per kg. at a loss of Rs. 1.50 per kg. What was the cost price of a kg of tomatoes?
5. The cost of 4 mugs is Rs. 80. Each mug is sold at a profit of Rs. 5. What will be the selling price of each mug?

AVERAGE

1. Find the average of the following :
a) 12,8,4,16,10 b) 18,21,32,19,25
c) 7kg,11kg,4kg,6kg d) 5cm,10cm,15cm,20cm
2. Find the average of the first four even numbers
3. A car covered 512 km in four days. What is the average mileage per day?
4. If a city received 2.2 cm, 3.4cm,0.6 cm & 1.8 cm rainfall in four consecutive days. What was the average daily rainfall?
- 5.. A shopkeeper sold goods worth Rs. 6000, Rs. 4500, Rs. 3500, Rs. 3000 and Rs. 4000 in five days. What is his average sale?

PERCENTAGE

1. Express the following as percentage
a) $\frac{1}{2}$ b) $\frac{1}{4}$ c) $\frac{1}{5}$ d) $\frac{3}{20}$
2. Convert the following fraction into percentage:
a) $\frac{3}{25}$ b) $\frac{4^2}{5}$ c) 2 d) $\frac{3}{10}$
3. Convert the following decimal fractions into percentage:
a) 0.35 b) 0.02 c) 1.46 d) 1.25 e) 2.5
4. Convert the following percentages into fractions in their lowest terms:
a) 28% b) 75% c) 10% d) 95%
5. Convert the following percentages into decimal fractions
a) 6% b) 76% c) 10% d) 25%
6. Which is greater?
a) $\frac{9}{10}$ or 9% b) $\frac{7}{100}$ or 7.5% c) 8.5% or $\frac{85}{100}$

7. Find the value

- a) 30% of Rs. 180 b) 25% of 1600 ltrs.
c) 4% of 1hr 15 mins d) 40% of 1 year
e) 25% of 600 mtr f) 5% of 3 kg
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TIME

1. Fill in the blanks

- a) The time 2 hrs 30 mins after 1 p.m. will be _____
b) The time 1 hr 15 mins before 12 noon will be _____
c) The time 4 hrs after 1430 hrs will be _____
d) The time 3 hrs before 2:15 p.m. was _____

2. What time will it be

- a) Three hrs after 2:35 a.m.
b) 50 mins after 11:10 a.m.
c) 5 hrs before midnight
d) 6 hrs after 1900 hrs

3. Change into 24 hours clock time

- a) 6:45 a.m. = _____
b) 11:15 p.m. = _____
c) 9:30 p.m. = _____
d) 4:15 p.m. = _____

4. Change into 12 hrs clock time

- a) 0630 hrs = _____
b) 2330 hrs = _____
c) 0050 hrs = _____
d) 1650 hrs = _____

5. Convert

- a) 13 hrs 15 mins into minutes
b) 1 day into minutes
c) 12 mins 30 secs into seconds
d) 1380 secs to mins and sec
e) 18 days 17 hrs into hours
f) 480 hrs into days and hours

6. Add

- a) 9 hrs 15 mins 40 sec ; 11 hrs 12 mins 45 sec and 8 hrs 40 mins 32 sec
b) 4 hrs 27 mins 32 sec ; 3 hrs 53 mins 29 sec and 5 hrs 30 mins 8 sec

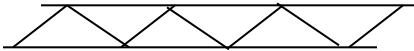
7. Subtract

- a) 6 hrs 30 mins 4 secs from 18 hrs 25 mins 20 secs
b) 4 hrs 30 mins 24 secs from 7 hrs 25 mins 20 secs

8. Calculate duration of time between
- a) 4:45 a.m. and 2:30 p.m.
 - b) 11 a.m. and 3 p.m.
 - c) 12noon and 2150 hrs
 - d) 0720 hrs and 1335 hrs

PATTERN

1. Complete the number series
 - a) 3,5,8,12,17,____,____,____
 - b) 24,30,36,42,____,____,____
 - c) 300,275,250,____,____,____
2. From the patterns given below identify the unit pattern



3. Identify the number patterns from the sum of the numbers
 - a) $1+3+5+7+9 =$
 - b) $9+16 =$
4. Write two numbers which can be represented as both a square number and a triangular number.
5. A _____ pattern has no gap between the shapes and They do not overlap
6. The sum of two consecutive triangular numbers is a _____ number

VOLUME

1. Find the volume of a cuboid whose length, breadth and height are 7 cm, 6 cm, and 4 cm respectively.
 2. Find the volume of a cube with edge 3.5 cm. (hint : convert into mm)
3. Find the missing dimensions.
- i. Volume = 112 cu.cm, Length= 8 cm, breadth= 7 cm, Height = ?

ii Volume = 2500 cu.cm, Length= 125, Height = 25 cm Breadth= ?

4. How many cubes of volume 125 cu cm will be required to make a cube of 45000

cu.cm volume?

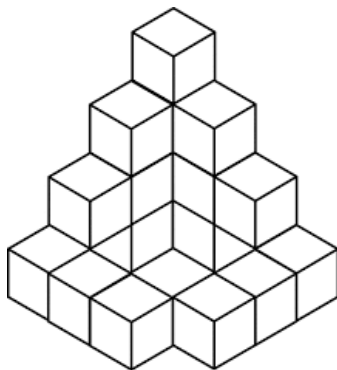
5. A cubical block of wood has sides of 4m. How many wooden cubes of side 80cm can be cut out from it without any wastage?

6. The volume of a cupboard is 40 cu.ft. If the length and width of the cupboard are 5 ft and 4 ft respectively, what is the height of the cupboard?

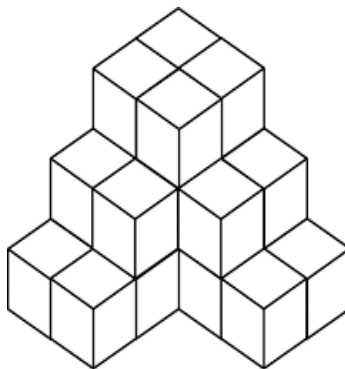
7. A swimming pool is half filled with water. If the pool is 25m long, 18m wide and 5m deep, what is the volume of the water in the pool?

8. Find the volume of the following figures if the volume of each cube is 1 cu.cm

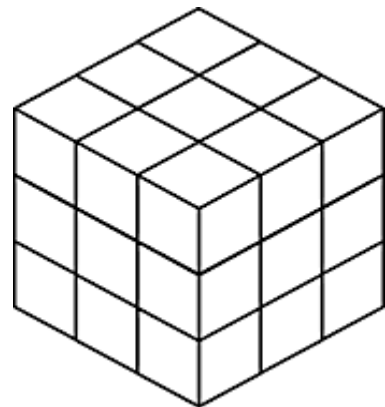
a.



b.



c.



9. Change into cu.cm : i. 45Litre ii. 2300ml

10. Convert into Litres: i. 3000cu.cm ii. 15cu.m