

Revision worksheet for final exams 2020

Mathematics

Class 6th

1. INTEGER

- Find sum of :- i. 137 and -354. ii. -312, 39 and 192
- Simplify:-
 - $(-145)+79+(-265)+(-41)+2$
 - $37+(-23)+(-65)+9+(-12)$
- Subtract :-
 - 3012 from 6250
 - 2768 from (-287)
- Find $34-(-72)$ and $(-72)-34$. Are they equal?
- The sum of two integers is 65. If one of the integer is -47. Find the other.

2. FRACTION

- Neelam has 25 pencils. She gives $\frac{4}{5}$ of them to Meena . How many pencils does Meena get ?How many pencils are left with Neelam ?
- Find equivalent fraction of $\frac{56}{70}$ with
 - numerator 4
 - denominator 10
- Ravi exercised for $\frac{23}{4}$ hour while Manil exercised for $\frac{34}{5}$ hour . Who exercised for a longer time?
- Find : i. $\frac{23}{4} + \frac{316}{5} + \frac{429}{6} + \frac{2518}{7}$ ii. $\frac{58}{9}$ of $\frac{32}{3}$
- The weight of an empty gas cylinder is $16\frac{2}{3}$ kg and it contains $14\frac{2}{3}$ kg of gas. What is the weight of the cylinder filled with gas?

3. DECIMAL

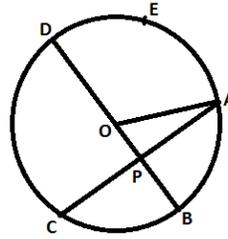
- Using decimals,express :-
 - 3 km 6 m in kilometers
 - Rs.18 and 8 paise in rupees
- A man purchases an almirah for Rs. 11025 , gives Rs. 172.50 as its cartage and spends Rs.64.80 on its repair. How much does the almirah cost him?
- Sunita purchased 5 kg 75 g of fruits and 3kg 465 gram of vegetables and put them in a bag . If this bag with these contents weighs 9 kg, find the weight of empty bag?

4. RATIO AND PROPORTION

- Find ratios in simplest form:
 - 630cm : 16.80m
 - 3weeks :30 days
 - 4 kg :2kg 500g
 - 85:561
- Divide Rs.1575 between Manil and Pratyaksha in the ratio of 7:2
- Verify the following:-
 - 60:105::84:147
 - 81 kg:45 kg:: 18 men:10 men
- Find value of x if 5:3::x:6

5. BASIC GEOMETRIC CONCEPTS

- a) Name the following in given diagram:-
- Two Segments
 - Two Sectors
 - One Chord
 - Diameter
 - Two radii



- b) Name: i. Two pairs of parallel lines
 ii. Two intersecting lines
- c) How many diagonal are there in pentagon? Draw and name them.

6. ALGEBRA

- a) Write expression for each statement:-
- 5 less than 4 times p
 - 6 times sum of p and q
- b) Solve :- i. $x+5=12$ ii. $3x-5=13$

7. MENSURATION

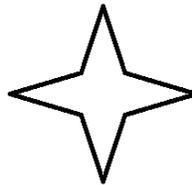
- a) Find perimeter of:-
- regular octagon of side 4.5 cm.
 - Isosceles triangle with equal sides 8.5 cm each and third side 7 cm
- b) The length and breadth of rectangular plot is 13m and 12m 50 cm. Find length of wire required to fence that plot and also find the cost of fencing if 1 m of wire cost Rs.5.

8. UNDERSTANDING ELEMENTARY SHAPES

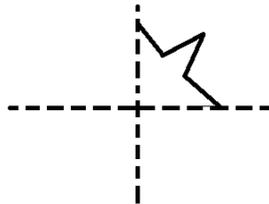
- How many vertices , faces and sides are there in a prism?
- Find the angle made by the hour hand while moving from 7 to 3 clockwise.
- Where will the hour hand stop if it starts from 5 and makes $5/6$ revolutions?

9. SYMMETRY

- a) Draw all possible line of symmetry for the following figure:



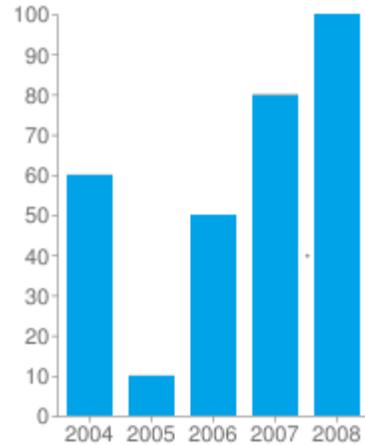
- b) Complete the following figure such that the dotted lines are the lines of symmetry:



10. DATA HANDLING

a) **The bar graph alongside shows the production of rice in tons in the year from 2004 to 2008**

- (a) How many tons of rice was produced from 2004 to 2008?
- (b) Which year had the least production?
- (c) Which year had the maximum production?
- (d) By how much did the production increased from 2005 to 2007?
- (e) Draw a frequency table for the following data.



b) A survey of 120 school students was done to find which activity they prefer to do in their free time :

Preferred activity	Number of Students
Plying	45
Reading story books	30
Watching T.V.	20
Listening music	10
Painting	15

Draw a bar graph to illustrate the above data taking a suitable scale

11. PRACTICAL GEOMETRY

- a) Draw an angle of 150° and divide it into four equal parts using ruler and compass.
- b) With AB of length 4.3 cm as radius draw a circle. Then draw any chord in this circle and draw its perpendicular bisector.