



RAMAGYA SCHOOL, NOIDA
V/MATHEMATICS/2017-18
OLYMPIAD PRACTICE WORKSHEET

CONCEPT BASED QUESTIONS

- 1) Instrument used to measure the temperature is:
a) protractor
b) stethoscope
c) thermometer
d) none of these
- 2) Number of equal divisions in the Fahrenheit scale is:
a) 100
b) 108
c) 180
d) 212
- 3) Boiling point of water on the Celsius scale is:
a) 0°C
b) 212°C
c) 32°C
d) 100°C
- 4) 7 men plough a garden in 12 hours. In how many hours will 6 men plough it?
a) 18 hours
b) 12 hours
c) 14 hours
d) none of these
- 5) How many minutes are there in 2 days?
a) 288 mins
b) 248 mins
c) 576 mins
d) 676 mins
- 6) Which of the following alphabet represents a closed curve?
a) **U**
b) **C**
c) **R**
d) **O**

APPLICATIONS BASED QUESTIONS

- 7) Area of a triangle is 24 sq.m. If its base is 4m then what is its height?
a) 10 m
b) 118 m
c) 12 m
d) 15 m
- 8) The measurement of a straight angle is equal to _____.
a) 90°
b) 180°
c) 150°
d) none of these
- 9) If angle A and B of triangle ABC are 40° and 60° respectively, find the value of angle C.
a) 90°
b) 60°
c) 80°
d) 70°
- 10) Perimeter of a square is 60 cm. Find the area of the square.
a) 335 sq.cm
b) 325 sq.cm
c) 285 sq.cm
d) 225 sq.cm

11) The table below shows the number of books read by five children in one month.

Name	Number of books
Archana	?
Harsh	16
Vinayak	21
Raj	24
Gita	14

If Archana read 5 books less than $\frac{1}{5}$ of the total number of books read by the other four children, then how many books did Archana read in a month?

- a) 5
b) 10
c) 15
d) 20

LOGICAL BASED QUESTIONS

12) The temperature of an object is found to be 167°F . What is its temperature in $^{\circ}\text{C}$?

- a) 102°C
b) 167°C
c) 75°C
d) 98°C

13) If the 4th day of a month is Monday, what will be the 21st day of the month?

- a) Thursday
b) Friday
c) Wednesday
d) Tuesday

14) Express $5\frac{2}{3}$ hrs in minutes.

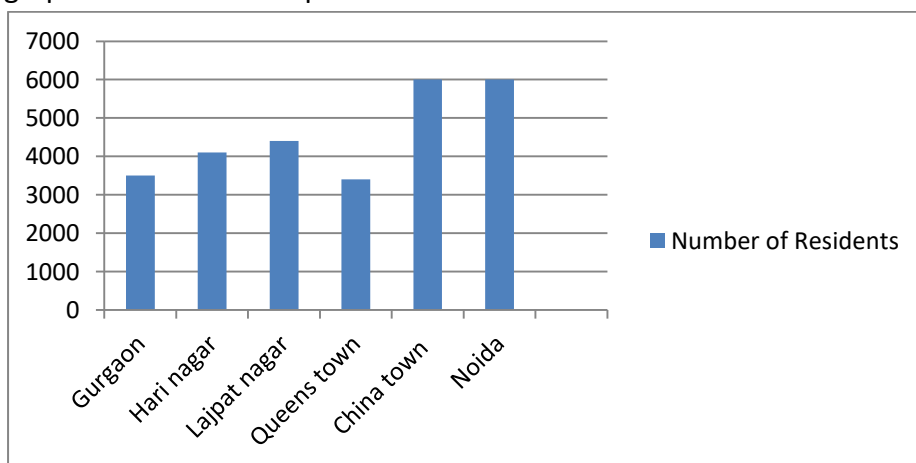
- a) 235 minutes
b) 320 minutes
c) 340 minutes
d) 523 minutes

15) Chinki can cycle from point A to point B return to point A in 10 minutes. She can cycle there and walk back in 20 minutes. It will take _____ minutes for her to walk there and walk back.

- a) 10
b) 20
c) 30
d) 40

HOTS

Direction (16-18): The given bar graph shows the number of residents at 6 places. Study the graph and answer the questions.



16) There were 4100 residents residing at _____

- a) Gurgaon
b) Hari nagar
c) Lajpat nagar
d) Noida

17) How many more residents were residing at China town than at Lajpat nagar?

- a) 1600
- b) 1800
- c) 1400
- d) 1200

18) How many residents were there altogether at the 6 places?

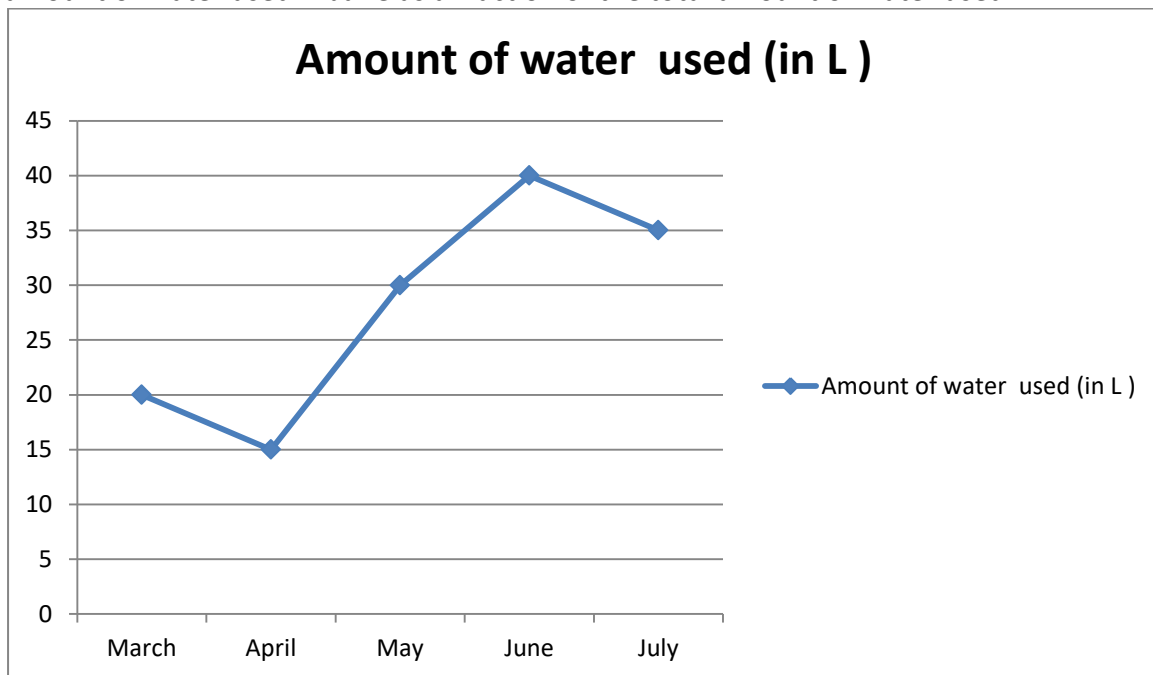
- a) 20000
- b) 22700
- c) 21000
- d) 27400

19) The table shows the number of pupils in five primary classes. Each pupil donated ₹ 10 to the foundation for the elderly. How much did they donate altogether?

Class	4A	4B	4C	4D	4E
Number of Pupils	38	40	39	37	38

- a) ₹ 1920
- b) ₹ 192
- c) ₹ 1902
- d) ₹ 768

20) The line graph shows the amount of water used by Jamie from March to July. Express the amount of water used in June as a fraction of the total amount of water used.



- a) $\frac{3}{14}$
- b) $\frac{2}{7}$
- c) $\frac{1}{7}$
- d) $\frac{3}{140}$