



# NEW AL WUROOD INTERNATIONAL SCHOOL, JEDDAH, K.S.A

Affiliated to CBSE – New Delhi, Affiliation No.5730008

## WORK SHEET-1

GRADE: 6

ANNUAL EXAMINATION, 2019-20

SUBJECT: MATHEMATICS

**BLOCKS:** 23,25,26,28,30.

### Fill in the Blanks

- 1) Comparing a quantity with another quantity is called \_\_\_\_\_
- 2) When a line segment bisects another line segment into two equal halves at right angles, it is called \_\_\_\_\_
- 3) Area is the amount of \_\_\_\_\_ a closed shape occupies.
- 4) Breadth of a rectangle is given by the formula: Area divided by \_\_\_\_\_
- 5) The ratio of 50 g to 2 kg = \_\_\_\_\_
- 6) One equivalent ratio of 6: 4 = \_\_\_\_\_
- 7) The length of the outer edges of a closed shape is called \_\_\_\_\_

### Choose the Correct one

- 1) The ratio of 1 hour to 300 seconds is :  
a) 1:12    b) 1: 5    c) 12:1    d) 5:1
- 2) To calculate side of a square when perimeter is given, we divide perimeter by:

- a) 4      b) 6      c) 2      d) 8

3) If each side of a square with side 16m is halved, then its area reduces by :

- a) 64      b) 738      c) 192      d) 256

4) To construct an angle of  $30^\circ$ , we construct the angle bisector of :

- a) 15      b) 60      c) 30      d) none of these

5) The number of perpendiculars that can be drawn from a point not lying on a line are :

- a) 1      b) 2      c) 3      d) infinite

### **Answer the Following**

- 1) In a school there were 73 holidays in a year. What is the ratio of number of holidays to number of days in the year?
- 2) The perimeter of a square painting is 5m 40cm. Find the length of each side.
- 3) The cost of leveling a playground 51m long and 40m wide at Rs 35 per square meter. Also, find the cost of fencing it at Rs 50 per meter.
- 4) Draw any line segment "m". Take a point "P" not lying on it. Through "P", construct a perpendicular line "m" using ruler and compass.
- 5) Construct an angle of  $120^\circ$  using ruler and compass.
- 6) 2:5 and 30: 20 are equivalent ratios. Is it true or false?

- 7) Draw a line segment of length 6 cm. Use ruler and compass to construct a perpendicular on a point X lying on the segment 2 cm from one end.
- 8) Three angles of a triangle are in the ratio 3: 8: 4 . Find the measure of each angle.
- 9) The perimeter of a square is 48m. The area of a rectangle is 4 sq.m less than the area of the given square. If the length of the rectangle is 14m, then find its breadth.
- 10) How many tiles of length 16 cm and breadth 5 cm will be required to fit in a rectangular area of 96 cm x 60cm?
- 11) Construct an angle of  $180^\circ$  and its angle bisector.
- 12) Marcus constructed a line segment AB of length 6.8 cm . He then marked a point P at a distance of 4.9 cm from point A. What is the length of line segments PB and AP?
- 13) A piece of string is 48 cm long. What will be the length of each side, if the string is used to form
  - (a) a square
  - (b) an equilateral triangle
- 14) Sharma wants to divide Rs. 55,000 between his sons-Rahul and Mohit in the ratio of their ages. If age of Rahul is 18 years and age of Mohit is 12 years, find how much Rahul and Mohit will get ?
- 15) Construct an angle of  $150^\circ$  using ruler and compass.

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