



# VIDYA BHARATI SCHOOL

OLYMPIAD WORKSHEET: DEC- 2017

GRADE: VII

SUBJECT: MATHEMATICS

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- Which term is used to represent the perimeter of a circle?  
(a) Radius            (b) Diameter            (c) Circumference            (d) Chord
  - The sides of a polygon are 3.8cm, 2.7cm, 12cm, 5.9cm and .28cm long. Its perimeter is-  
(a) 18.50cm            (b) 30.8cm            (c) 24.48cm            (d) 26.88cm
  - The length and breadth of a rectangle are 21 cm and 16 cm. Its perimeter is  
(a) 37 cm            (b) 42 cm            (c) 74 cm            (d) 336 cm
  - The perimeter of a square of side 28 cm is  
(a) 112 cm            (b) 5 cm            (c) 224cm            (d) 804cm
  - If two perpendicular sides of a right- angled triangle are 6 cm and 8 cm, its perimeter is  
(a) 14 cm            (b) 16 cm            (c) 28 cm            (d) 24 cm
  - $\frac{1}{4}$  is equal to  
(a) 0.25            (b) 2.5            (c) 0.025            (d) 0.20
  - If two angles have the same measure, they are  
(a) congruent            (b) parallel            (c) corresponding            (d) None of these
  - Among two congruent angles, one has a measure of  $130^\circ$ , the measure of the other angle is  
(a)  $130^\circ$             (b)  $20^\circ$             (c)  $70^\circ$             (d)  $90^\circ$
  - Additive inverse of  $-\frac{17}{18}$  is -  
(a)  $\frac{8}{7}$             (b)  $-\frac{8}{7}$             (c)  $\frac{17}{18}$             (d)  $-\frac{7}{8}$
  - Fill the blank: \_\_\_ X (-12) = 132  
(a) 10            (b) 12            (c) -11            (d) 11
  - What number is 60% of 45?  
(a) 7.5            (b) 27            (c) -2.7            (d) 118
  - The supplement of  $72^\circ$  is -  
(a)  $72^\circ$             (b)  $108^\circ$             (c)  $108^\circ$             (d)  $180^\circ$
  - $\frac{0}{20}$  is equal to -  
(a) 0            (b) 10            (c) 3            (d) 30

14. 21% of 800 is approximately equal to  
(a)  $\frac{1}{4}$  of 800      (b)  $\frac{1}{5}$  of 800      (c)  $\frac{1}{3}$  of 800      (d)  $\frac{1}{8}$  of 800
15. If two perpendicular sides of a right-angled triangle are 12 cm and 16 cm, its area is  
(a) 192 sq cm      (b) 56 sq cm      (c) 96 sq cm      (d) 28 sq cm
16. If the diameter of a circle is 20 cm, the length of its circumference is  
(a)  $11\pi$  cm      (b)  $20\pi$  cm      (c)  $40\pi$  cm      (d)  $80\pi$  cm
17. If the circumference of a circle is  $16\pi$ , its area is  
(a)  $8\pi$  sq cm      (b)  $16\pi$  sq cm      (c)  $32\pi$  sq cm      (d)  $64\pi$  sq cm
18. The cost of a dozen pencils is Rs. 72, so the cost of 2 pencils is -  
(a) Rs. 36      (b) Rs. 12      (c) Rs. 10      (d) Rs. 6
19. Isosceles triangle has -----lines of symmetry  
(a) 1      (b) 2      (c) 3      (d) 0
20. If 5 more than 3 times a number is 17, then the number is -  
(a) 4      (b) 5      (c) 2      (d) 3

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\*For more practice material please click: [www.brilliant.org](http://www.brilliant.org); [www.sofolympiadtrainer.co](http://www.sofolympiadtrainer.co)

[www.olympiadhelper.com](http://www.olympiadhelper.com)