

COMMON APTITUDE TEST (CAT) 2012

CLASS V MATHS

Q1. Tick (✓) the correct answer

- (1.) The sum of place values of 9 and 1 in 479810 is
(a.) 9010 (b.) 9001 (c.) 9100 (d.) 1900
- (2.) The number name of the smallest number formed by the digits – 5,4,0,3,8,and 1 is
(a.) One lakh three thousand four hundred fifty eight.
(b.) One lakh forty three thousand five hundred ten.
(c.) Eight lakhs fifty four thousand three hundred ten.
(d.) None of these.
- (3.) Total odd numbers between 2300 and 2350 are
(a.) 26 (b.) 50 (c.) 25 (d.) None of these
- (4.) 1500 more than 7,24,673 is
(a.) 7,26,173 (b.) 7,25,673 (c.) 8,24,673 (d.) 7,26,683
- (5.) Subtract the sum of 400 and 700 from the largest 5 digit number
(a.) 9900 (b.) 8900 (c.) 8000 (d.) None of these
- (6.) 1 Million x 100 = ____ Crores
(a.) 10 (b.) 1 (c.) 100 (d.) None of these
- (7.) 812 players are to be divided equally in 4 teams. The number of players in each team is
(a.) 203 (b.) 23 (c.) 230 (d.) None of these
- (8.) Which of the following roman numeral is correct
(a.) IIC (b.) IIXV (c.) IVC (d.) XCV
- (9.) 45 is written as
(a.) LXV (b.) XLV (c.) LV (d.) XV
- (10.) Equivalent fractions have _____ value
(a.) Same (b.) Different (c.) Cannot say (d.) None of these

(11.) Which of the following are proper fractions $\frac{1}{2}, \frac{3}{4}, \frac{9}{7}, \frac{14}{3}$

(a.) $\frac{3}{4}, \frac{9}{7}$

(b.) $\frac{9}{7}, \frac{14}{3}$

(c.) $\frac{1}{2}, \frac{3}{4}$

(d.) $\frac{1}{2}, \frac{14}{3}$

(12.) Divya has 3 notes of Rs. 1000 and 5 notes of Rs. 100. The total amount she has

(a.) Rs. 3500

(b.) Rs. 3050

(c.) Rs. 5300

(d.) Rs. 5030

(13.) Rohan has Rs. 500. He goes to a coffee shop and orders for a coffee for Rs. 150 and snacks for Rs. 400. Is he carrying enough money ?

(a.) Yes

(b.) No

(c.) Cannot say

(d.) None of these

(14.) How many 10 ml makes 1 Litre ?

(a.) 10

(b.) 1000

(c.) 100

(d.) None of these

(15.) If 1 Kg of apples costs Rs. 100, then the cost of $2\frac{1}{2}$ Kg of apples will be

(a.) Rs. 200

(b.) Rs. 100

(c.) Rs. 250

(d.) None of these

(16.) The capacity of oil in a tank is measured in

(a.) Kg

(b.) L

(c.) gm

(d.) Km

(17.) Highest unit of length is

(a.) Km

(b.) m

(c.) cm

(d.) mm

(18.) Armaan decorates the boundary of the chart paper of length 30 cm and breadth 20 cm with a coloured tape. The total length of the coloured tape used is

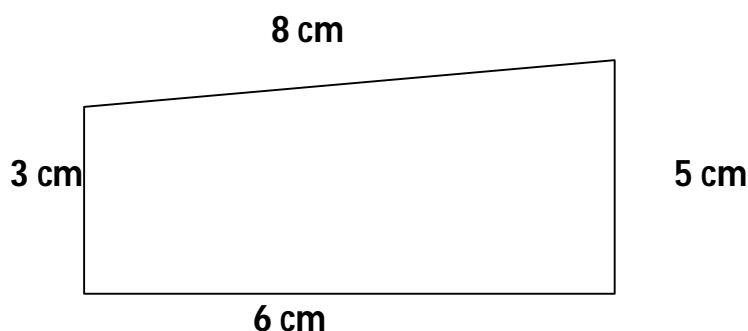
(a.) 60 cm

(b.) 50 cm

(c.) 80 cm

(d.) 100 cm

(19.)



Perimeter of the given figure is

(a.) 22 cm

(b.) 20 cm

(c.) 19 cm

(d.) 17 cm

(20.) Neetu takes a round of a square park of side 40 cm. The total distance covered by her is

- (a.) 160 m (b.) 80 cm (c.) 40 cm (d.) None of these

(21.) Birthday cap is in the shape of a

- (a.) Cuboid (b.) Cylinder (c.) Cone (d.) Sphere



(22.) Dice is in the shape of a

- (a.) Cube (b.) Cylinder (c.) Cone (d.) Sphere



(23.) Football is in the shape of a

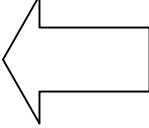
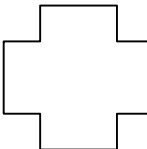

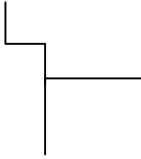
- (a.) Cuboid (b.) Cylinder (c.) Cone (d.) Sphere



(24.) Traffic signals (\rightarrow , \uparrow , \leftarrow) are the examples of

- (a.) Line segments (b.) Lines (c.) Rays (d.) None of these

(25.) Which of the following is an open figure

- (a.)  (b.)  (c.)  (d.) 

(26.) Line can be extended in

- (a.) One direction (b.) Both directions (c.) Cannot say (d.) None of these

(27.) If first Saturday falls on August 4, 2012, then third Saturday of the month will fall on


- (a.) August 16 (b.) August 17 (c.) August 15 (d.) August 18

(28.) If Mohita completed her Holidays homework in 3 weeks, then the number of days she took to finish her home work is

- (a.) 15 days (b.) 21 days (c.) 10 days (d.) None of these

(29.) 7:30 p.m. in 24 hour clock time is written as

- (a.) 0730 Hours (b.) 1930 Hours (c.) 7300 Hours (d.) None of these

(30.) If 1  = 7 students then,

 = _____ students.

(a.) 7

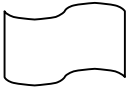
(b.) 6

(c.) 42

(d.) 14

Q2. Write true (T) or false (F).

1. Zero (0) always has the same place value and face value.
2. A number divided by 0 (Zero) is not possible.
3. 1 crore \div 1 = 0
4. 4 Thousand \times 100 = 40 Lakhs.
5. When we subtract 1 from the smallest 7-digit number, we get the greatest 6-digit number.
6. $50 \div 3$, Quotient = 16 and Remainder = 2.
7. Remainder is always greater than the divisor.
8. A fraction having 1 as the numerator is a unit fraction.
9. If numerator is more than the denominator in a fraction, it is an improper fraction.
10. Perimeter of rectangle is (length + breadth).
11. Four Kilometers have 4000 m.
- 12.



is a closed figure.

13. 4 hours after 11:30 a.m. is 3:30 p.m.
14. Tally marks IIII II is 52.
15. Line segment has two fixed points.

Q3. Match the following :

Column A

- (a.) Place value of 6 in 64219 is
- (b.) 8 crores 40 thousand
- (c.) 75
- (d.) XLVI
- (e.) Sun rises
- (f.) 1430 Hours

Column B


- 6:10 a.m.
- LXXV
- 2:30 p.m.
- 6 ten thousands
- 46
- 8,00,40,000

☐
☐
☐
☐
☐
☐

Q4. Match with the correct type of fraction :

<u>Column A</u>	<u>Column B</u>
(a.) $\frac{47}{2}$	Equivalent Fractions <input type="checkbox"/>
(b.) $1\frac{7}{9}$	Like Fractions <input type="checkbox"/>
(c.) $\frac{1}{3}, \frac{2}{6}, \frac{4}{12}$	Mixed Fraction <input type="checkbox"/>
(d.) $\frac{7}{8}, \frac{9}{8}, \frac{3}{8}$	Improper Fraction <input type="checkbox"/>

Q5. Fill in the blanks.

- (a.) $2,45,000 + 23,760 + 40 =$ _____.
- (b.) $4896 \div 100$, Then Quotient = _____ and Remainder = _____.
- (c.) 2 Thousand x 3 Tens = _____
- (d.) 89 in roman numerals is written as _____.
- (e.) $\frac{1}{2}$ of 32 is _____.
- (f.) Number of days in 3 years is _____.
- (g.) Perimeter of square with side 10 m is _____.
- (h.) Line has _____ fixed length.
- (i.) If 1  = 5 Chocolates , then
 _____ = 20 chocolates.
- (j.) Tally marks for 17 = _____.
- (k.) 25, 32, 39, 46, _____, _____.
- (l.) 6, 12, 24, 48, _____, _____

Q6. Write >, <, or = in the box.

- (a.) $\frac{10}{15}$ $\frac{7}{15}$
- (b.) Rs. 40 + Rs. 50 9000 p.
- (c.) 6 L 6300 ml

Q7. Shreya surveys the cost of items in 2 different shops as follows :

SHOP 1		
BILL		
1.	Pastry	Rs. 50
2.	Sandwich	Rs. 30
3.	Juice	Rs. 45
	TOTAL	

SHOP 2		
BILL		
1.	Pastry	Rs. 45
2.	Sandwich	Rs. 40
3.	Juice	Rs. 45
	TOTAL	

She finds the difference of the bills is Rs. _____.

Which shop she should prefer ? _____.

Q8. Air fare for a passenger travelling from Mumbai to Delhi is Rs. 3450. What will be total amount paid by 32 such passengers.

Q9. 42,302 stickers are to be distributed equally among 8 friends. How many stickers will each friend get ? How many stickers will be left ?

Q10. A film show is of duration 3 hours and 15 minutes. It starts at 2:45 p.m. At what time it will end ?