RAMAGYA SCHOOL, NOIDA

WORKHEET, 2018-2019

SUBJECT: Mathematics

CLASS: VII MONTH: MAY

CONCEPT

1. 4.539+6.1+4.643=

a. 15.282 b. 12.943 c. 13.942 d. 14.932

2. Expressed as decimals $\frac{1}{4}$

(A) 0.002 (B) 0.25 (C) 1.2 (D) 0.12

3. A farmer has 100 animals out of which $\frac{5}{10}$ are dairy cows; $\frac{2}{10}$ of dairy cows are cattle. How many cattle he has?

a. 70 b.50 c.60 d.10

4. $\frac{11}{?}$ is a fraction that lies between $\frac{1}{5}$ and $\frac{1}{6}$ What is the missing whole number in the box?

a. 30 b. 25 c.62 d. 16

5. Find the value of $4\frac{4}{5}+3\frac{5}{6}+2\frac{8}{10}$.

a. $\frac{450}{15}$ b.$\frac{339}{15}$ c.$\frac{280}{40}$ d. $\frac{380}{60}$

APPLICATION

6. The value of $3-\frac{2}{1+\frac{2}{2-\frac{3}{5}}}$ is?

a. $\frac{37}{17}$ b.$\frac{38}{17}$ c.$\frac{37}{7}$ d.$\frac{28}{17}$

7. The product of the 7 fractions $(1-\frac{1}{2})(1-\frac{1}{3})(1-\frac{1}{4})(1-\frac{1}{5})(1-\frac{1}{6})(1-\frac{1}{7})(1-\frac{1}{8})$=-

a.$\frac{1}{8}$ b.$\frac{1}{4}$ c.$\frac{1}{6}$ d.$\frac{1}{2}$

8. A jar is $\frac{3}{5}$ full of orange juice. This amount is equal to 6 full glasses. When 1 full glass is drunk, what fraction of the jar is still left with orange juice?

a. $\frac{2}{5}$ b $\frac{1}{6}$ c.$\frac{1}{10}$ d.$\frac{1}{2}$

9. A bowler took 9 wickets for 725 runs, and then his average score per wicket is _

a. 80.56 b. 70.86 c.7.56 d.8.56

10. Montu studies for $3\frac{2}{8}$ hours daily. He devotes $2\frac{2}{8}$ hours of his time for math's and science. How much time does he devote for other subjects?

a. $\frac{6}{3}$hours b. $\frac{1}{2}$hours c. 1 hour d.1 $\frac{1}{2}$hours

11. Express the value of $9\frac{1}{3}-5\frac{3}{4}$ in its simplest form.

a.$6\frac{2}{5}$ b.$5\frac{4}{7}$ c.$3\frac{7}{12}$ d.$9\frac{1}{12}$

12. If−8/5=a/10=20/b=−45/c, Find the value of a, b and c respectively.

A .10.-18.26

b. -16.12.5,28.1

c. 25,-36,-45

d. 28,12,39

13. In a classroom there are x rows. If each row $\frac{x}{3}$ benches and each bench can accommodate 4 students, find the seating capacity of the classroom.

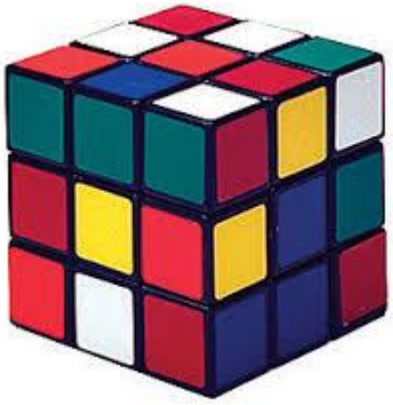
(A) $\frac{4x}{3}$ (B) $\frac{x^2}{3}$ (C) $\frac{4x^2}{3}$ (D) $\frac{4x+3}{3}$

VALUE BASED

14. Health :the direction for pain reliever recommend that an adult of 60 kg and above take 4 tablet every 4 hour as needed and an adult who weighs between 40kg and 50kg can take $2\frac{1}{2}$tablets every 4 hours as needed. Every tablet weighs $\frac{4}{25}$grams. If 72 kg adult takes 4 tablets, how many grams of pain reliever he is gaining?

a.$\frac{16}{25}$ grams b.$\frac{32}{25}$ grams c.$\frac{8}{25}$grams d.$\frac{11}{25}$ grams

15. Following shape is made of several small cubes. What fractions of cubes are not visible in the picture?



a. $\frac{27}{34}$ b.$\frac{17}{54}$ c.$\frac{13}{50}$ d.$\frac{23}{60}$

HOTS

16. There are two teams of two people each competing in a relay race. The race is for 1km, and each member of a team has to run 500 meters Usha and Akshiti are in one team, and the Alisha twins form the second team. Usha can run 500 meters in $2\frac{1}{10}$ minutes. Akshiti can run 500 meters in $3\frac{1}{20}$ minute. Each of the Alisha twins can run 500 meters in $2\frac{1}{2}$ minutes. Which pair wins the race and by how much time?

a. Usha and Akshiti win the race by 9 seconds

b. Usha and Akshiti win the race by seconds

c. Alisha twins win the race by 5 seconds

d. Alisha twins win the race by 9 seconds

17. Multiply the sum of 4 and $3\frac{2}{3}$ to the difference of $3\frac{2}{3}$ from 2.

a.$\frac{-113}{9}$ b.$\frac{-114}{9}$ c..$\frac{-115}{9}$ d.$\frac{-116}{9}$

18. Diameter of Earth is 12756000m. In 1996, a new planet was discovered whose diameter is $\frac{5}{86}$ of the diameter of Earth. Find the diameter of this planet in km.

a. 741.62 km b. 471.26 km c.762.87km d.744.55km

19. An integer is divided by 8 giving a remainder of 4. The resulting quotient when divided by 5 gives a remainder of 3. The resulting quotient is then divided by 8 giving a quotient of 1 and a remainder of 6. What will the Final remainder be if the order of the divisors is reversed?

a. 9 b. 7 c. 6 d. 8

20. If 3a and 2b denote the length and breadth of a rectangle, then its perimeter is:

(A) 3a+2b (B) a+b (C) 2(a+b) (D) 6a+4b