Silver Grove School
Sample paper

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CLASS- 5
SUBJECT: Mathematics

TIME: 2 Hrs.   M.M. 50
Name :   Roll no :

Instructions:
1. Read all questions attentively.
2. It is compulsory to attempt all questions.
3. Marks for each question have been given.

Section – A

Q1. Tick the correct options for the following:-   4

a. Which among the following objects has the maximum volume?

b. What is the sum obtained when 7/5'   , 8/6   and 8/12   are added?

   i.   *204/60*   ii. 59/120   iii. 306/60

c. A numerical value that represents a part of a _____ is known as fraction.

   i.   Fraction.   ii. Whole.   iii. Part

d. We can express $\frac{1}{4}$ as :

   i.   25%.   ii. 50%.

                iii. 75%

e.which one is the least expensive toy?

i.

i. Van   ii. Top.   iii. Duck.   iv. Telephone

f. The capacity of the bucket is 10 Ltrs and the capacity of each mug is 2 Ltrs , how many mugs are required to fill the bucket completely.

i. 5 mugs ii. 10 mugs iii. 15 mugs

g. what will be the correct expression of 0.9 as percentage?

i. 9% ii.   90%.   iii.   19%

h. What will be the fraction of 2%

i. 1/5. ii. 1/50 iii. 5/50

Q2. Fill in the blanks for the following:-   **4**

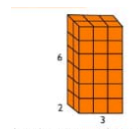   a. Volume of a cube = _____ x _____ x _____.

    b. The volume of the given solid is _____ .

    c. The 20% of 70 is ....

    d. 25/4   x ₹ 21 = _____.

e. $\dfrac{4}{5}$ x ____ = $\dfrac{8}{5}$

f. The place value of digit '3' in 34.45 is _____.

g. The decimal of 90% is _____.

h. Rs. 36.54-rs. 4321= ....

Q3. State whether the following statements are true or false:-
4

a. Volume of a cube = side x side.

b. A representation of number that uses decimal points are called decimal numbers.

c. $\dfrac{9}{10}$= 0.09

d. The lowest form of $\dfrac{50}{100}$ is ½.

e. The decimal representation of 72%is 0.72

f. 24.358 > 24.369

g.   The decimal is not a part of a fractional part.

h. The expanded form of 16.432 is 16+432.

Q4. Match the following:-   4

a. 7.1   i. 45

b. 137/1000   ii. 20/100

c. 20%.   iii. 1050p

d. ₹ 10and 50p.   iv. 201.2

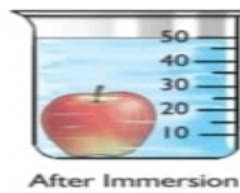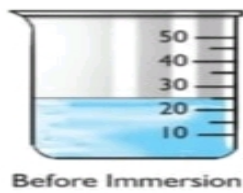e. Two hundred one .two   v.   cm3
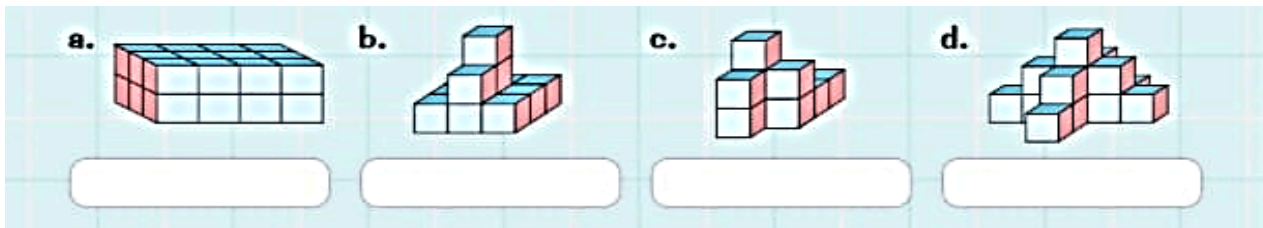
   f.   LCM of 9and 5   vi.12m3

   g. m×m×m=   vii.0.137

   h.2m×2mx3m   viii.71.10

Q5. Observe the given beakers . Find the rice in the water level

Before Immersion   After Immersion

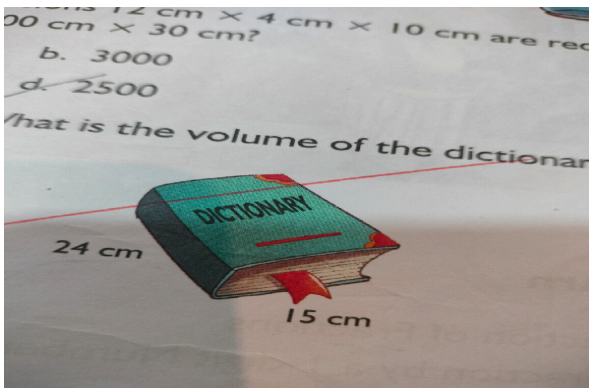Q6. Find the volume of the following solids that are made up of cubes of side 1 cm:- 1

a.   b.   c.   d.

Q7.   The dictionary is 6 CM thick what is the volume of the dictionary ?

1

00 cm × 30 cm? 12 cm × 4 cm × 10 cm are req

b.   3000

d. 2500

hat is the volume of the dictionar

24 cm   DICTIONARY

15 cm

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Q8. Compare the following and put appropriate sign '<' , '>' or '=' :-   2

a. 50.21_____ 13.081

b. 36.87_____64 34

c. 1.05_____.0332

d. 19.00 _____ 19.000

Q9. Find the multiplicand in the given questions:- 1

a. _____ x 1000 =82050

b. _____ x 10 = 8620

Q10. You have to arrange a birthday party for your brother. Find the total amount to be paid for the items given in the table:-
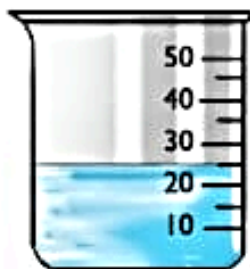
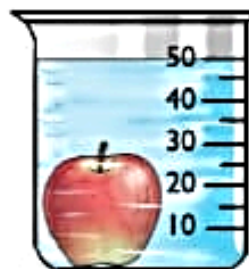| Item	Number of Items	Cost per Item (₹)	Total Cost (₹) (per item × number of items)
cake	1	₹175.00	
pack of candles	12	₹35.00	
packet of balloons	6	₹50.00	
decorative items	6	₹100.00	
Total			

2

Section – B

Q11. Observe the given beakers. Find the rise in the water level. 1

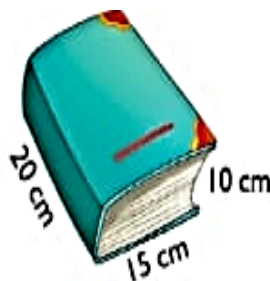Before Immersion   After Immersion
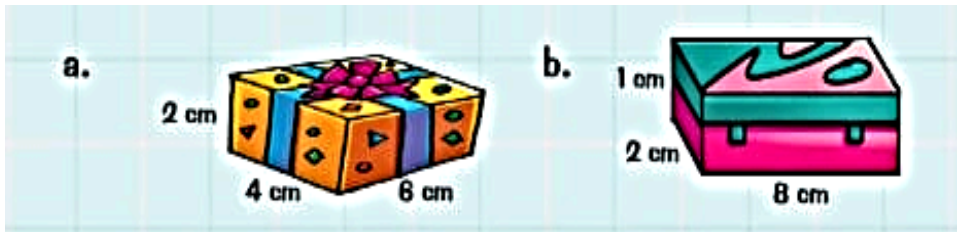
Q12. Find the volume of the given objects:- 2

a. 8 cm, 4 cm, 6 cm

b. 20 cm, 10 cm, 15 cm

Q13. Write the place value of the underlined digits:-   0.5

    a. 165.4<u>2</u>   b. 210.<u>1</u>36

Q14. write the expanded form of the following decimal numbers:- 1

    a. 9.312   b. 56.712

Q15. Write decimal numbers for the following number names:-   0.5

    a. Eighteen point one nine three.

    b. Sixty five point eight two.

Q16. Express the following as percentage:-   `   2

    a. $\dfrac{7}{15}$ b. $\dfrac{6}{10}$

    c. 5.66   d. 0.078

Q17. Express the given percentage as fractions and decimals:- 2

    a. 4.5%.   b. 15%

Q18. Calculate the percentage for the given numbers:- 1

    a. 20% of 70.   b. 60% of 300

Q19. Observe the two bills and answer the questions that follow:-   0.5

Shop I		Shop 2	
Item	Price	Item	Price
TV	₹23490.90	TV	₹24500.00
fan	₹2451.80	fan	₹2455.00
AC	₹34563.35	AC	₹43123.80
oven	₹2436.75	oven	₹24100.00

    a. Name the items that costs less in shop 1 than shop 2.

b. Name the item that is more expensive in shop 2 than shop 1.

Q20. Three different shops sell AC at the following prices:-
0.5

Model	Shop A	Shop B	Shop C
3 Star	₹32000	₹30000	₹31000
Ultra Saver AC	₹46000	₹48000	₹45000
5 Star	₹40000	₹42000	₹41500

a. Which shop offers the least price for the ultra saver AC?

b. Who is selling 5 Star AC at the highest price?

Q21. Solve the following:- 4

a. Add : $\dfrac{116}{7}$ and $\dfrac{429}{49}$

b. Subtract : $\dfrac{81}{22}$ and $\dfrac{31}{9}$

c. Multiply : $\dfrac{2}{7}$ x 5

d. 327.27 x 2.1

e. Subtract: ₹ 2656 from ₹ 5751

f. Add : ₹ 879.90 and ₹ 1408.50

g. Divide : 12.96 ÷ 3

h. Multiply : 2cm x 5cm x 8cm

Q22. Convert the following:- 2

a. 4538 paise into rupees

b. $\dfrac{105}{1000}$ into decimal number

c. 43.5 into fraction

d. ₹ 52 and 5 paise into paise

Q23. Word problem (attempt any two) :- 2

a. How many sacs of cement each with dimensions, 20 cm x 50 cm x 10 cm can be kept in a room of dimensions, 4m x 20 m x 10 m ?

b. Mohan has spent $\dfrac{1}{8}$ part of ₹1000 to buy a cricket bat. What is the price of the cricket bat?

c. Rohan drove 231.5 km on Friday and 193.8 km on Saturday. How many less

kilometres did he drive on Saturday?

d. Ravi bought 8 CDs for ₹ 320. What was the cost of 1 CD?

e. Nina has 75 books. Out of these, 30 are comic books. What percentage of the books are comic books?

Q24. Mental Math:- 1

a. What is the percentage of the shaded portion given in the figure?

    i.   30%   ii. 60%   iii. 70%

b. The dictionary is 6 cm thick. What is the volume of the dictionary?

24 cm
15 cm

    i.   2160 cubic cm

    ii.   2100 cubic cm

    iii.   360 cubic cm

Q.25 Internal Assessment (5)