



THE MAURYA SCHOOL, PALAM VIHAR, GURGAON
ACADEMIC SESSION (2013- 2014)
MENTAL MATH SHEET
CLASS VI

NAME: _____

DATE: _____

ROLL NO. _____

CHOOSE THE CORRECT ANSWER:-

1. When the sum of the measures of two angles is that of a right angle, then each one of them is _____.
a) Acute angle b) Obtuse angle c) Right angle d) Straight angle
2. What fraction of a clock wise revolution does the hour hand of a clock turn through, When it goes from 12 to 9
a) Acute angle b) Obtuse angle c) Right angle d) Straight angle
3. Where will the hand of a clock stop if it starts at 2 and makes $\frac{1}{4}$ of a revolution, clockwise?
a) 5 b) 8 c) 11 d) 9
4. Which direction will you face if you start facing north and make $1\frac{1}{2}$ of a revolution clockwise?
a) North b) South c) East d) West
5. Name the quadrilateral with property “Two pairs of parallel side”.
a) Trapezium b) Parallelogram c) Rectangle d) Kite

6. Which of the following is a greater fraction?

a) $\frac{4}{5}$

b) $\frac{5}{6}$

c) $\frac{5}{3}$

d) $\frac{5}{2}$

7. What is the place value of 9 in the given decimal 19.4?

a) Ones

b) Tens

c) Tenth

d) Hundredth

8. Which of the following is smaller?

a) 0.5

b) 0.05

c) 0.005

d) 0.0005

ANSWER THE FOLLOWING IN GIVEN SPACE:-

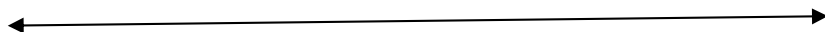
1. Represent the following numbers on the number line.

a) 0.5

b) 1.3

c) 1.8

d) 2.1

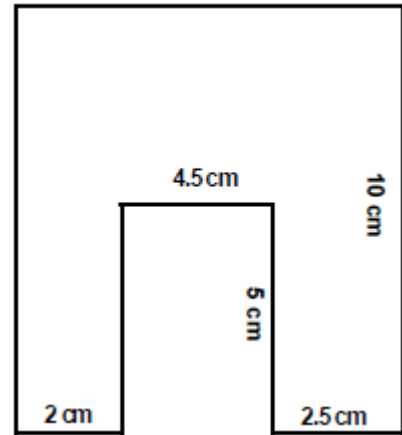


b) Find the value of following :-

a) $11.6 - 9.847$

b) $280.69 + 25.2 + 38$

b) By splitting the given figure into rectangles to find the area.



c) Using y, 2 and 7. Form as many as algebraic expressions can be framed.

MENTAL ABILITY:-

Q1. How many hundreds should you ADD to 700 to get 70000?

- a. 1 b. 100 c. 693 d. 69300

Q2. $89 \times (100 - 2) = 98 \times (100 - \underline{\hspace{1cm}})$

What number should be put in the blank above to make the statement true?

- a. 89 b. 11 c. 2 d. 0

Q3. How many zeroes will the following product end with?

$$\underline{50 \times 25 \times 4 \times 999 \times 2}$$

- a. one b. two c. four d. five

Q4. If $9 + \square + \Delta = 15 + 9$, which pair of numbers can \square and Δ stand for?

- a. 5 and 3 b. 15 and 9 c. 1 and 5 d. 7 and 8

Q5. $90 - 30 \div 6 + 2 \times 5$ equals

a. 60

b. 75

c. 95

d. 435

Q6. $5 - 5/10 + 5/100 - 5/1000$ equals

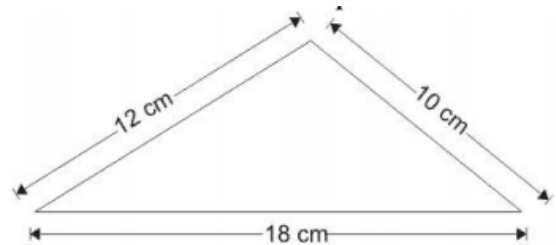
a. 5.555

b. 4.555

c. 4.545

d. 4.445

Q7. A triangular frame of wire shown below was straightened and cut into 4 equal pieces. Each piece was then bent to form a square frame. What is the side of each square frame thus formed?



a. 2.5cm

b. 3.3cm

c. 5cm

d. 10cm

ANSWER THE FOLLOWING IN GIVEN SPACE:-

Q1. A test had 40 questions, each worth 1 mark. If the pass mark is 70%, what was the minimum number of questions that must be answered correctly in order to pass the test?

Q2. 1 gallon is approximately 4.5 litres. About how many litres is 400 gallons?

Q3. A school had 800 pupils on roll. In the first 3 weeks of term, 80% of the pupils used the school Library. How many pupils did not use the school library in the first 3 weeks of term?

Q4. Using the relationship 5 miles equals 8 kilometres, convert 64 kilometres into miles.

Q5. A teacher plans to show a 25 minute video, followed by a 20 minute class discussion. The lesson will finish at eleven thirty. What is the latest time the teacher can start the video?

Q6. A school has 4 hours 15 minutes of class contact time per day. What is the weekly contact time?

Q7. A careers teacher gave a talk to four classes each of 27 pupils and three classes each of 26 pupils.

Q8. In a quiz, team A scored -50, 30, 0 and team B scored 60, 30, -40 in three successive rounds. Which team scored more?

Q9. In a class of 28 pupils, three sevenths were boys. How many were girls?

Q10. A teacher had a budget of 540. A quarter of the budget was spent in term one and 165 spent in term two. What proportion of the budget remained at the end of term two? Give your answer as a fraction in its lowest terms.
