



CLASS/DIV: VI

SUBJECT: MATHEMATICS

ASSET QUESTIONS

(1) In the International system of numbers, ten lakhs is read as one million. In this system, two crores, fifteen lakhs, nine thousand, four hundred and ten will be read as:

A. Two million, one hundred and fifty nine thousand, four hundred and ten.

B. Twenty one million, fifty nine thousand, four hundred and ten.

C. Twenty one million, five hundred and nine thousand, four hundred and ten.

D. Two hundred and fifty nine thousand, four hundred and ten.

(2) One thousandth part of 60 is

A. 0.006

B. 0.60

C. 6.00

D. 0.06

(3) The difference between two numbers is 3452. If both the original numbers are halved and then subtracted, what can we say about the new difference?

A. It will be 1726.

B. It will be 3452.

C. It will be 7904.

D. It will depend on the numbers.

(4) Between 1 and 50 (excluding both these) how many numbers are there which will leave a remainder 1 when divided by 4?

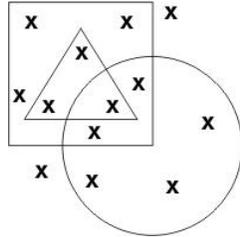
A. 10

B. 12

C. 13

D. 15

(5) How many crosses in the given figure are NEITHER in the circle NOR in the triangle?

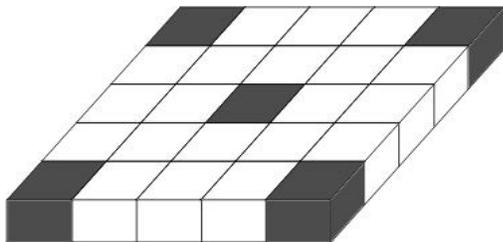


- A. 2
B. 3
C. 5
D. 6

(6) If a number is divided by 30 and then multiplied by 5, the resulting number will be

- A. 25 more than the original number
B. 6 times the original number
C. 25 less than the original number
D. $\frac{1}{6}$ of the original number

(7) A cuboidal block is made up of smaller blocks as shown.



If the shaded blocks are removed, we can say that:

- A. 5% of the solid is removed
B. 20% of the solid is removed
C. 25% of the solid is removed
D. 75% of the solid is removed.

(8) The chart below gives the digits used in Hindu Arabic system and the corresponding digits in Punjabi script.

Hindu - Arabic	0	1	2	3	4	5	6	7	8	9
Punjabi	੦	੧	੨	੩	੪	੫	੬	੭	੮	੯

How will you write three crores nine lakh five thousand and sixty in Punjabi script?

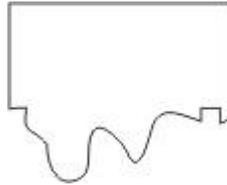
A. 3 0 0 4 0 0

B. 3 0 0 4 0 0

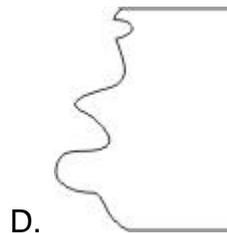
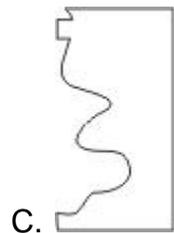
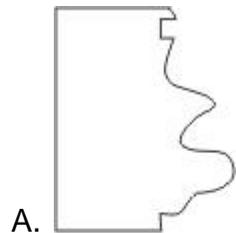
C. 3 0 0 4 0 0

D. 3 0 0 4 0 0

(9)

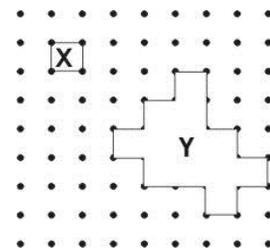


Which of the pieces when joined to the above piece will complete the square?



(10)

Figures X and Y are drawn on a dot grid as shown here.



If the area of figure X is 1 square unit, what is the area of figure Y?

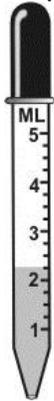
A. 10 square units

B. 11 square units

C. 12 square units

D. 13 square units

(15) How many millilitres of liquid does this dropper contain?



- A. 2.1
C. 2.01
B. 2.4
D. 2.25

(16) How many hundreds should you ADD to 700 to get 70000?

- A. 1
C. 693
B. 100
D. 69300

(17) One thousandth part of 60 is

- A. 0.006
C. 6.00
B. 0.60
D. 0.06

(18) $89 \times (100 - 2) = 98 \times (100 - \square)$

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

- A. 89
C. 2
B. 11
D. 0

(19) Between 1 and 50 (excluding both these) how many numbers are there which will leave a remainder 1 when divided by 4?

- A. 10
C. 13
B. 12
D. 15

(20) A line about which a figure is symmetrical is called a 'line of symmetry' for that figure. For instance, the dotted line shown below is a line of symmetry for the letter B.



Which of the letters in the box given below has no line of symmetry?



- A. H
C. X

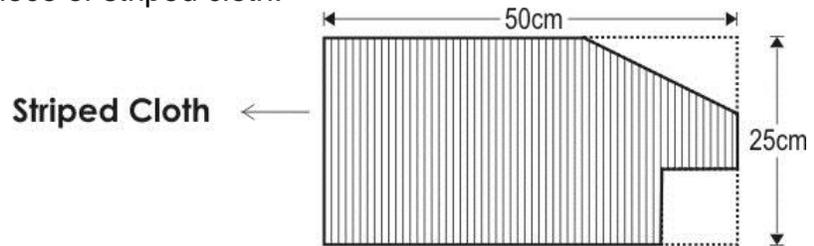
- B. M
D. Z

(21) In Babuji's Vidyamandir Ranni, the duration of each period in the Junior Section is 20 minutes and in the Senior Section it is 35 minutes. Both bells ring together when School starts at 10:30 am. The next time they ring together is at lunch time. At what time does lunch break start?

- A. 12:50 pm
C. 11:40 am

- B. 12 noon
D. 12:30 am

(22) Mrs. Ghosh had a piece of striped cloth.



She cut out a triangle and a square - each of area 100 sq cm from it to use in an appliqué-work bedsheet that she was making. How many square centimetres of the striped cloth remained?

- A. 250 sq cm
C. 1050 sq cm

- B. 800 sq cm
D. 1150sq cm

(23) A prime number is a number, which is not completely divisible by any number except 1 and itself.

Number	Whether divisible by		
	3	5	7
63	yes	no	yes
83	no	no	no
91	no	no	yes

Using only the information in the table given here, which of the given numbers can we say with CERTAINTY, IS NOT a prime?

- A. only 63
- C. only 91

- B. only 83
- D. 63 and 91

(24) Which of the following is a prime number?

- A. $19 \times 2 \times 3$
- C. 21×1

- B. 1×29
- D. 13×17

(25) Tapan thinks of a number, doubles it and adds 50 to the answer. He gets the answer 120. What was Tapan's original number?

- A. 290
- C. 35

- B. 70
- D. 20

(26) Nina, Upen, Varun and Geet earn equal monthly salaries.

Geet spends $\frac{7}{8}$ of his monthly salary every month.

Nina spends $\frac{3}{4}$ of her monthly salary every month.

Upen spends $\frac{2}{3}$ of his monthly salary every month.

Varun spends $\frac{5}{6}$ of his monthly salary every month.

Who saves the greatest amount every month?

- A. Nina
- C. Varun

- B. Upen
- D. Geet

(27) $10 - 4 \div \frac{1}{2} + 2$ equals

- A. 4
- C. 10

- B. 5
- D. 14

(28) It is estimated that many adults consume about 28.8 g (about 12 teaspoons) of sodium everyday. This quantity is twelve times the amount that is recommended for a healthy heart. According to this, what is the recommended quantity of sodium per day for a healthy heart?

- A. 1 g
- C. 12 g

- B. 2.4 g
- D. 16.8 g

(32) Robin scored 5 goals from 20 shots that he took during hockey practice one day. His friend Gagan's success rate was twice as good. In all, if they took 50 shots at the goal between them, how many goals did Gagan score?

- (A) 8 (B) 12
(C) 15 (D) 20

(33) Which of these lies between 6.3 and 6.6?

- (A) 6.2 (B) 6.9
(C) 6.05 (D) 6.41

(34) A building has 20 floors. Starting from the top floor (which has both terrace and water tank), there is a terrace on every third floor and a water tank on every fifth floor. How many floors in the building have both terrace and water tank?

- (A) two (B) three
(C) five (D) fifteen

(35) 34 hundredths is equal to

- (A) 0.34 (B) 0.034
(C) 0.0034 (D) 0.03400

(36) Manu is celebrating his birthday. His sister has arranged for a cake with some candles on it.



There are two types of candles, thin and fat, each type representing some number of years. Each thin candle represents 1 year. If Manu is 50 years old, how many years does each fat candle represent?

- (A) 3 (B) 10
(C) 15 (D) 45

$$100 - \square > 40$$

(36) Which of the following could be the number in \square ?

- (A) 76 (B) 63
(C) 85 (D) 47

(37) Aman, Chintan and Preyal are arguing whether the shape given here can be called a triangle or not.



Aman: "It looks like a triangle but it is not a triangle. It can become a triangle if it is rotated."

Chintan: "It is not a triangle. A triangle should have a sleeping line at the bottom and two slanting lines that form a pointed top."

Preyal: "It has three sides which are forming a closed figure and so it is a triangle."

Who is correct?

- (A) Aman (B) Chintan
(C) Preyal (D) We cannot say for sure.

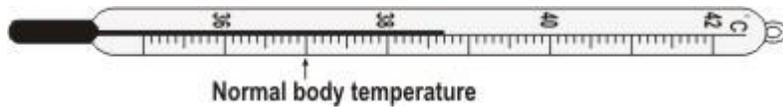
(38) The ICC World Cup website has a timer that shows how much time is left for the world cup to start. Heena was seeing the page. When she left the page, it was showing the following.



If she again goes back after 3 hours and views the same page what will the timer show?

- (A) (B)
(C) (D)

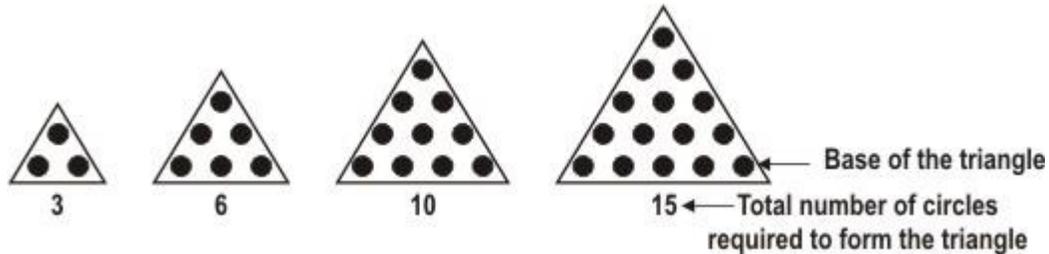
(39) Normal human body temperature is 37°C . Shown here is Montu's body temperature.



How much MORE is Montu's temperature than the normal temperature?

- (A) 0.7°C (B) 1.7°C
 (C) 2°C (D) 17°C

(40) Circles are arranged in a triangular shape so as to form a pattern as shown here. As can be seen, the triangle with 3 circles has 2 circles at its base, the triangle with 6 circles has 3 circles at its base and so on.



If the pattern is continued, how many MORE circles will there be in the triangle having 21 circles at its base as compared to the triangle to its left having 20 circles at its base?

- (A) 1 (B) 20
 (C) 21 (D) We cannot say unless we know the total number of circles in each triangle.

HAPPY VACATION, BE BLESSED