

KENDRIYA VIDYALAYA SANGATHAN

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Zonal Institute of Education and Training (ZIET) Bhubaneswar

Multiple Choice Questions (MCQ)
MATHEMATICS
For Class VI (Sixth)



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CLASS VI (MATHEMATICS)

CHAPTER – 1. KNOWING OUR NUMBERS.

Q1. One Km is how many centimetres ?

- (i) 100000 (ii) 10000 (iii) 1000 (iv) 100

Q2. Population of a town in the year 2000 was 200000 . In the year 2005 , it was found to be increased by 10359 . What was the population of the town in 2005.

- (i) 220359 (ii) 210000 (iii) 210359 (iv) 20359

Q3. A machine , on an average , manufactures 2825 screws a day. How many screws did it manufacture in the month of January ?

- (i) 84750 (ii) 87575 (iii) 81925 (iv) 79100

Q4. A vessel has 4 litres & 500 ml of milk. In how many glasses , each of 25 ml capacity, can it be filled?

- (i) 150 (ii) 160 (iii) 170 (iv) 180

Q5. Which of the following is the Roman Numeral for 69

- (i) LXXI (ii) LXIX (iii) CXIX (iv) CXXI

CHAPTER – 2. WHOLE NUMBERS.

Q1. Which is the successor of 1099999 ?

- (i) 1100001 (ii) 1100000 (iii) 1099998 (iv) 9999999

Q2. Which is the predecessor of 208090 ?

- (i) 208089 (ii) 208091 (iii) 218090 (iv) 198090

Q3. What is the value of $8 \times 1769 \times 125$

- (i) 1769000 (ii) 1768000 (iii) 1768010 (iv) 1769010

Q4. What is the value of $81265 \times 169 - 81265 \times 69$

- (i) 81265000 (ii) zero (iii) 8126500 (iv) 8026500

Q5. Which of the following is the additive identity in the set of Whole numbers ?

- (i) 1 (ii) zero (iii) -- 1 (iv) any number

Q6. The school canteen charges Rs. 20 for lunch & Rs. 5 for milk each day.

How much money will be charged in 5 days on these things?

- (i) Rs. 125 (ii) Rs. 25 (iii) Rs. 75 (iv) Rs. 100

CHAPTER – 3. PLAYING WITH NUMBERS.

Q1. Which of the following is the factor of every number ?

- (i) 1 (ii) zero (iii) 1 (iv) any number

Q2. How many factors does 36 have ?

- (i) 5 (ii) 6 (iii) 7 (iv) 9

Q3. Which of the following is the smallest prime number ?

- (i) 1 (ii) 2 (iii) 3 (iv) 5

Q4. How many prime numbers are there between 1 & 20 ?

- (i) 7 (ii) 8 (iii) 9 (iv) 10

Q5. Which of the following is the smallest composite number ?

- (i) 2 (ii) 3 (iii) 4 (iv) 5

Q5. Which of the following is the HCF of the numbers 20, 28 & 36 ?

- (i) 20 (ii) 36 (iii) 4 (iv) 5

Q6. Which of the following is the LCM of the numbers 20, 30 & 60 ?

- (i) 20 (ii) 30 (iii) 60 (iv) 36000

CHAPTER – 4. BASIC GEOMETRICAL IDEAS.

Q1.How many lines can pass through two given points?

(i)1 (ii) 2(iii) 3 (iv) Infinite

Q2.How many vertices are there in a hexagon?

(i)5 (ii) 6(iii) 7 (iv) 8

Q3.How many diagonals are there in a pentagon?

(i)2 (ii) 3(iii) 4 (iv) 5

Q4.What is the length of the diameter of a circle of radius 8 cm ?

(i)4cm (ii) 8cm(iii) 16cm (iv)2cm

Q5.An angle divides the plane in to how many regions ?

(i)2 (ii) 3(iii) 4 (iv) 5

CHAPTER –5.UNDERSTANDING ELEMENTARY SHAPES.

Q1.What is the angle measure for half a revolution?

(i) 60° (ii) 90° (iii) 180° (iv) 270°

Q2.What fraction of a clockwise revolution does the hour hand of a clock turn through, when it goes from 3 to 9?

(i) $1/2$ (ii) $1/3$ (iii) $1/4$ (iv) $1/5$

Q3.Where will the hand of a clock stop if it starts at 5 & makes $1/4$ of a revolution, clockwise?

(i) 7 (ii) 8 (iii) 9 (iv) 10

Q4.Which direction will you face if you start facing south & make one full revolution?

(i) East (ii) West (iii) North (iv) South

Q5.Where will the hour hand of a clock stop if it starts from 6 & turns through one right angle?

(i) 7 (ii) 9 (iii) 8 (iv) 10

Q6.What is the measure of a straight angle?

(i) 75° (ii) 90° (iii) 180° (iv) 360°

Q6.What is the measure of each angle of an equilateral triangle?

(i) 55° (ii) 70° (iii) 60° (iv) 90°

CHAPTER –6. INTEGERS.

Q1. Which of the following is the simplest form of $(-8) + (-7) - (-2)$

(i) -- 17 (ii) 13 (iii) -- 13 (iv) 17

Q2. What is the value of $50 - (-40) - (-2)$

(i) -- 12 (ii) 8 (iii) 92 (iv) 88

Q3. Which of the following lies to the left of -24 ?

(i) --23 (ii) 25 (iii) -- 25 (iv) 23

Q4. Which of the following numbers do you get if you subtract -40 from -50

(i) 10 (ii) -- 10 (iii) -- 90 (iv) 90

Q5. Which of the following numbers is '2' less than four times of '5' ?

(i) 18 (ii) -- 18 (iii) 3 (iv) 13

CHAPTER –7. FRACTIONS.

Q1.What fraction of a day is 8 hours?

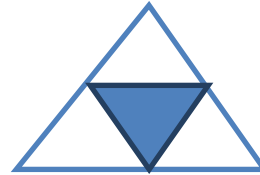
(i)1/2 (ii)1/3(iii) 1/4 (iv) 2/3

Q2.What fraction of the numbers from 2 to 12 are prime numbers?

(i)1/11 (ii)10/11(iii) 5/11 (iv) 6/11

Q3.What fraction of the given figure is shaded?

(i)1/2 (ii)1/3(iii) 1/4 (iv) 2/3



Q4.Which of the following is a proper fraction ?

(i)5/4 (ii)1/4(iii) 11/4 (iv) 12/4

Q5.Which of the following is the equivalent fraction for 2/3 with denominator 18 ?

(i)9/18 (ii)10/18(iii) 11/18 (iv) 12/18

Q6.Which of the following is the equivalent fraction of 3/5 with numerator 50 ?

(i)20/50 (ii)30/50(iii) 40/50 (iv) 50/50

Q7.Which of the following is the sum of 7/12 & 3/12 ?

(i)4/6 (ii) 21/12(iii) 4/12 (iv) 5/6

Q8.Which of the following is the difference between 7/8 & 3/8 ?

(i)4/5 (ii) 1/2(iii) 3/2 (iv) 10/5

CHAPTER –8. DECIMALS.

Q1.Which of the following is the decimal form of “Two ones & five- tenths” ?

(i)0.2 (ii) 0.25(iii) 2.5 (iv) 25.0

Q2.Which of the following is the decimal form of $12/5$?

(i)0.24 (ii) 2.4(iii) 1.4 (iv) 2.04

Q3.Which of the following is the corresponding fraction for 3.8 ?

(i) $19/5$ (ii) $19/10$ (iii) $38/5$ (iv) $380/5$

Q4.Which of the following represents 15cm ?

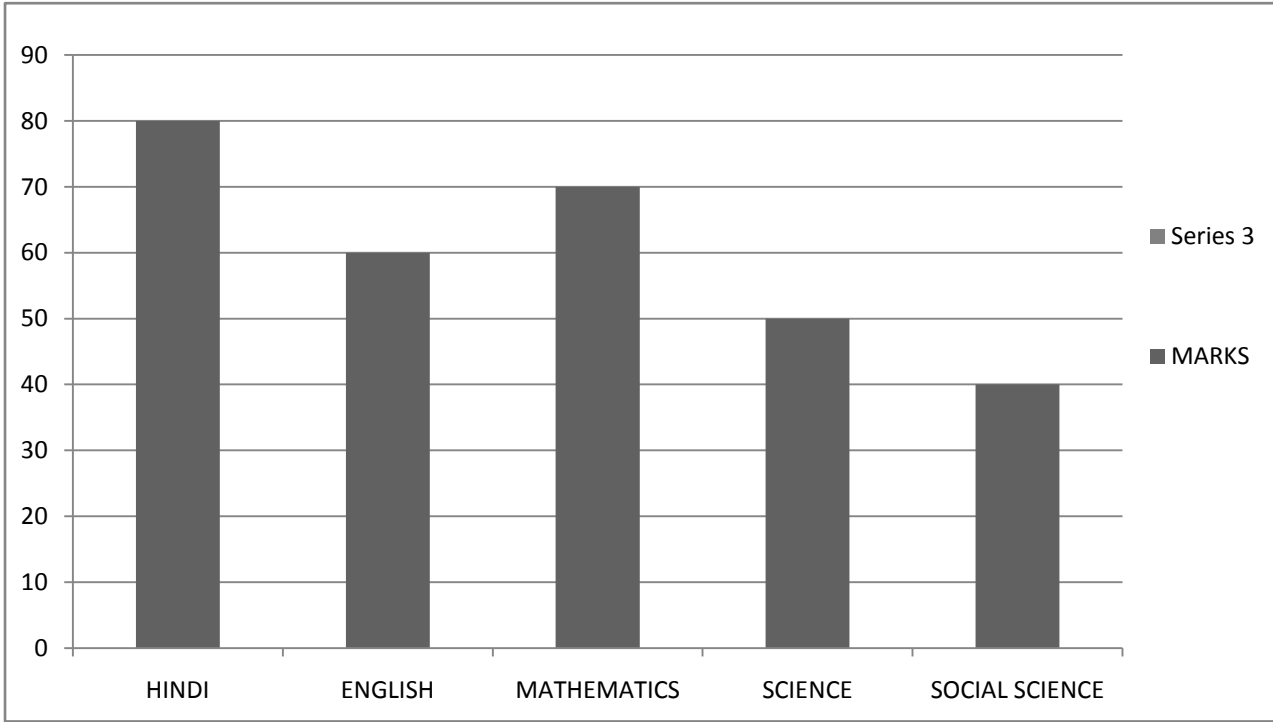
(i)1.5m (ii) 0.015m(iii) 0.15m (iv) 150m

Q5.Find the value of $9.75 - 6.25$?

(i)0.5 (ii) 3.0(iii) 2.5 (iv) 3.5

CHAPTER –9. DATA HANDLING.

Q1.The following bar graph shows the marks obtained by Ramesh in different subjects in the Session Ending Examination-2012. Read the graph and answer the following questions?



(a)In which of the following subjects Ramesh scored maximum marks?

(i)ENGLISH (ii) HINDI(iii) MATHEMATICS (iv)SCIENCE

(b)In which of the following subjects Ramesh scored minimum marks?

(i)SOCIALSCIENCE (ii) HINDI(iii) MATHEMATICS (iv) SCIENCE

(c)Which of the following is the difference between the maximum & the minimum marks?

(i)30 (ii) 40(iii) 20 (iv) 10

(d)What is the total marks obtained in all the five subjects ?

(i)250 (ii) 300(iii) 200 (iv) 100

CHAPTER –10. MENSURATION.

Q1.The length & breadth of a rectangular field are 25m & 10m respectively. What is its perimeter?

(i)250m (ii) 35m(iii) 70m (iv) 5m

Q2.What distance Aslam will travel if he takes three rounds of a square park of side 50m ?

(i)100m (ii) 200m(iii) 2500m (iv) 10000m

Q3.The perimeter of a regular pentagon is 100m. How long is its each side ?

(i)400m (ii) 20m(iii) 500m (iv) 50m

Q4.Which of the following is the area of the rectangle of length 10cm & breadth 6cm?

(i)40cm² (ii) 32cm²(iii) 50cm² (iv) 60cm²

Q5.What is the area of the square of side 5cm?

(i)20cm² (ii) 25cm²(iii) 30cm² (iv) 60cm²

CHAPTER –11. ALGEBRA .

Q1.If Sarita's present age is 'x' years, what will be her age 5 years from now?

(i)(x−5)yrs. (ii) (x +5)yrs(iii) 5x yrs (iv) 5/x yrs

Q2 .Ram's bank balance is Rs.500 more than 3 times his friend's bank balance. If his friend's bank balance is 'y', what is Ram's bank balance.

(i)y+500 (ii) 3y + 500(iii) 3y (iv) 3y − 500

Q3.The length of a rectangular hall is 4 metres less than 3 times the breadth of the hall. What is the length, if the breadth is 'b' metres ?

(i)b + 4 (ii) b − 4(iii) 3b − 4 (iv) 3b + 4

Q4.If $2x + 3 = 5$, which of the following is the value of 'x' ?

(i)1 (ii) − 4(iii) 4 (iv)− 1

Q5.Find which of the following is the solution of the equation $3y - 5 = 7$?

(i)1 (ii) − 4(iii) 4 (iv) − 1

CHAPTER –12. RATIO & PROPORTION .

Q1.Which of the following is the ratio of one rupee to 50 paisa ?

(i)1:1 (ii) 2:1(iii) 1:2 (iv) 1:50

Q2.Which of the following is the equivalent ratio of 6:4?

(i)3:2 (ii) 6:8(iii) 12:4 (iv) 1:1

Q3.If Rs.60 is divided between X&Y in the ratio of 1:2, which of the following is the share of X?

(i)50 (ii) 20(iii) 40 (iv) 180

Q4.There are 100 teachers in a school for 3000 students. Which of the following is the teacher student ratio?

(i)3:100 (ii) 1:1(iii) 30:1 (iv) 1:30

Q5.If the cost of six pens is Rs.60 , which of the following is the cost of 10 such pens?

(i)10 (ii) 100(iii) 600 (iv) 6