

AL KHOZAMA INTERNATIONAL SCHOOL, DAMMAM

Affiliated to CBSE – New Delhi, No: 5730019



HALF YEARLY EXAMINATION (2017-2018)

Subject: MATHEMATICS

Date: 11/06/2017

Set: A

Time: 2 ½ Hours

Class: 7

Max. Marks: 80

Instructions to the Candidates:

1. Please check that this question paper contains all the printed pages
2. All answers must be written in the provided answer sheet.
3. Read each question carefully and follow the instruction.
4. Do not write anything in the margin.
5. Do not exceed the prescribed word limit while answering the questions.
6. Do not split section.

SECTION A

I. FILL IN THE BLANKS

(5X1=5)

1. Additive inverse of 333 is _____

(-333, 333, 0, 1)

2. $-100 + 45 = \underline{\hspace{2cm}} + (-100)$

(-100, 45, -45, 100)

3. It is _____ that the Math teacher will teach Math.

(Certain, impossible, likely, equally likely)

4. _____ is the data value that occurs the most number of times in a given set of observations. (Mean, median, mode, Range)

5. If $y - 4 = 9$, then $y =$ _____. (9, 5, 4, 13)

II. WRITE TRUE OR FALSE

(3×1= 3)

6. The quotient of two terms with unlike signs is always positive.

7. The additive identity of integers is 1.

8. Two angles that have a common side and common vertex are called adjacent angles.

SECTION B

(13×2= 26)

9. Write the integers in ascending and descending order

-25, -133, 61, 0, 185

10. Simplify $(-455) - (-233) + (+234)$

11. A helicopter took off at a speed of 120 m per minute. How far is the helicopter from the surface at the end of 10 minutes.

12. Solve $69 + (-18) + (-32)$ using the associative property

13. Parul paid Rs. 42 to admit herself and two of her friends into a science museum.

What was the cost of each admission?

14. Brijesh drank $\frac{2}{3}$ of $5\frac{1}{5}$ litres of water. How much water did Brijesh drink?

15. A rope that is $\frac{3}{4}$ in length is cut into 2 pieces of equal length. How long is each piece?

16. Abhishek swam 3.55 m, Akshay swam 3.505m and Abhay swam 3.055m. who swam the furthest?

17. Solve using long division: $39.68 \div 32$

18. Find the range and mode of the given numbers

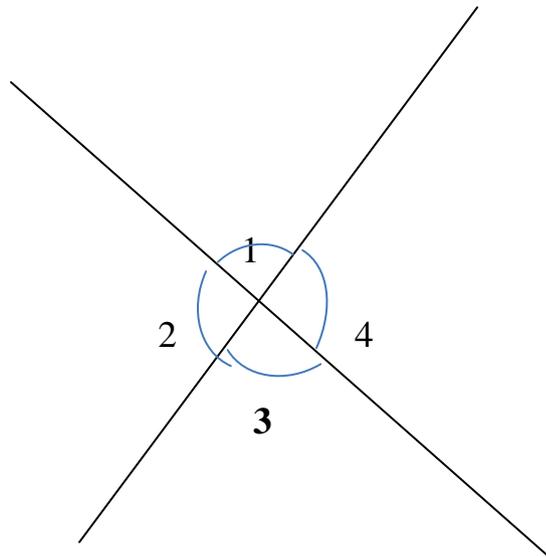
2, 14, 16, 12, 14, 14, 16, 14, 10, 14, 18, 14.

19. Two more than four times a number is equal to twenty six . what is the number?
20. solve $4x = 16$ using trial and error method.
21. Draw two intersecting lines FG and HI and measure the vertically opposite angles.

SECTION C

(10×3= 30)

22. Identify the vertically opposite angles in the given figure what is the measure of angle 1, 2 and 4 if the measure of angle 3 = 111°



23. Fill in the blanks with $>$, $<$ or $=$
- (a) -100×56 _____ 99×67
- (b) $0 \times (-45)$ _____ 100
- (c) $(-33) \times (-22)$ _____ $(-22) \times (33)$

24. Find the product using suitable properties.

(a) $(-57) \times (-18) \times 12$

(b) $28 \times (17 + 18)$

(c) $19 \times (-1) \times (-2)$

25. There are 30 students in a class. If $\frac{1}{10}$ of the students want to go swimming, how many students will be swimming? How many students will not be swimming?

26. At the market, Madhu buys $\frac{5}{8}$ Kg of oranges and $2\frac{3}{9}$ Kg of apples, and makes fruit salad. If she served it in bowls that could hold $\frac{1}{6}$ Kg, how many bowls of salad would Madhu be able to serve?

27. Subtract the decimals.

(a) $34.82 - 25.97$

(b) $45.91 - 43.283$

(c) $26 - 12.123$

28. Use multiplication to make the numbers into whole numbers.

(a) 34.5

(b) 46.008

(c) 0.23

29. Among two supplementary angles the measure of the larger angle is 44° more than the measure of the smaller. Find their measures.

30. Fill in the blanks using the words (certain, possible, impossible, likely, equally likely, unlikely)

(a) It is _____ that the entire class is on leave on the same day.

(b) It is _____ that you will improve your concepts in various subjects.

(c) It is _____ that you will start liking the subject that you dislike in a week's time

31. The number of students in section A is 3 less than twice the number of students in section B . If section A has 45 students , find the number of students in section B.

SECTION D

(4×4=16)

32. Which of the given pair of angles make supplementary or complementary angles?

(a) 36° , 144° (b) 19° , 71° (c) 57° , 33° (d) 98° , 82°

33. Solve the equation.

(a) $6z + 3 = 15$

(b) $2x + 5 = 11$

34. Draw a double bar graph for the given data.

Year/Number of Students	School A	School B
2009	1,000	900
2010	1,150	1,200
2011	1,200	1,250
2012	1,300	1,300
2013	1,500	1,450

35. The rain fall in a city for 7 days was 11mm, 13mm, 15mm, 20mm, 20mm, 12 mm and 9 mm. find mean, median , mode and range .