NEW AL WUROOD INTERNATIONAL SCHOOL, JEDDAH

(PEEVEES SCHOOLS, K.S.A.)



Affiliated to CBSE - New Delhi.

WORK SHEET

Subject: MATHEMATICS - VII

DURATION: 3 hours

- 1. Compare and order the numbers in ascending order:
- a) -25, -32, 12, -1
- b) 9, -10, 56,-56,0
- 2. Add the following:
- a) (-110)+(-176)
- b) (-319)+445
- c) 235+(-423)
- 3. Subtract the following:
- a) (-650)-(-452)
- b) 215-532
- c) 41-(-78)
- 4. Multiply the following
- a) -25x -126
- b) 45x-36
- c) -165x26
- 5. Multiply: -32x -25 x12 x -10
- 6. Arun bought 5 pen for Rs. 7 . Earlier the price of 5 pen was Rs.6. Find the increase in the price of pen.
- 7. State the properties of integers with examples.
- 8. Write a pair of integers whose :
- a) Sum is -8
- b) Difference is -1
- 9. Use associative property to solve:
- a) (-25) +36+(-75)
- b) 33+(-56)+67
- 10. Evaluate:
- a) $(-75) \div 5 \div (-25)$
- b) 12x(-36)x5
- c) 3628÷(-4)
- d) 45000÷0
- e) 0÷12300
- 11. Solve using distributive property.
- a) $(-526) \times 7 + (-526) \times 3$
- b) (-36) x 15 +6 x 15

مدرسة الورود الجديدة العالمية بجدة (قسم البنين) تحت إشراف وزارة التربية والتعليم ترخيص رقم ٢٠ س. النهج الهندي NEW AL WUROOD INTERNATIONAL SCHOOL - JEDDAH

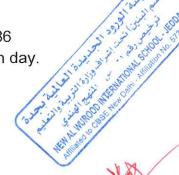




- 12. Write a pair of integers which satisfies a+b = -6
- 13. A submarine took16 minutes to dive 96m from the surface. How far did it dive per minute?
- 14.18 times an integer is -1008, what is the integer?
- 15. Add the following fractions.

- a) $\frac{5}{9} + \frac{6}{9}$ b) $\frac{1}{7} + \frac{4}{9}$ c) $4\frac{3}{8} + \frac{5}{12}$
- 16. Subtract the following.
- a) $\frac{9}{14} \frac{6}{7}$
- b) $7_5^3 3_9^4$
- 17. Multiply the following.
- a) $\frac{8}{15} \times 12$ b) $\frac{15}{36} \times \frac{18}{60}$ c) $9^{5}_{11} \times \frac{33}{5}$
- 18. Fifty children went skating. 5 of the children wore black skates and $\frac{3}{5}$ of them wore blue skates. How many children wore neither blue nor black skates?
- 19. Solve the following and illustrate with the help of pictures or grids.
- a)5 ÷ $\frac{1}{1}$
- b)6÷ $\frac{2}{3}$ c) $\frac{5}{6}$ ÷ $\frac{2}{5}$
- 20. What is the reciprocals of the following?
- a) 6^{8}_{9}
- $b)12^{5}_{11}$
- 21. Solve the following:
- a) $15_7^4 \div 3_9^8$
- b) $\frac{1}{2} \times 3_5^4 + 5_3^2 \div \frac{1}{4}$
- c) $5_9^5 \times \left(\frac{6}{8} \frac{2}{7}\right)$
- 22. Ahmed has 2456 rupees and spends $\frac{3}{4}$ of this amount at the market. If he divides what he has left among six of his friends, Ahmed would be giving each person $\frac{1}{6}$. How much would each person receive?
- 23. Add/ subtract the decimals.
- a) 5.29+4.9
- b) 5.89 + 4.5 2.658
- 24. Multiply the decimals.
- a) 2.45 x 10
- b) 0.4x 100
- c) 25.36 x 1000
- 25. Multiply the decimals.
- a) 2.6 x 0.6
- b) 45.325 x 2.9
- c) 0.008 x 0.09
- 26. Fathima has Rs. 352.75. Rega has 10 times more money than Fathima. How much money does both of them have altogether?
- 27. Divide the decimals.
- a) 25.32 ÷10
- b) 15.7÷ 100
- c) 58.6÷1000
- 28. Solve using long division.
- a) 43.2÷9
- b) 166.6÷7
- c)12.45 ÷1.5
- d) 32.038 ÷3.86
- 29. Arun ran a total of 86.1km in a week. How far did he ran each day.
- 30. Define the following:
- a) Mean b) Median
- c Mode
- c)Range.
- 31. Find the mean, median and mode for the given data.





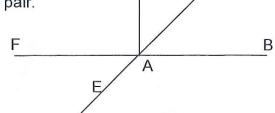
- a) 2, 5, 6, 2, 8, 7,5, 5,9
- b) 12,35,15,30,40,42,25,30,36
- Define the following terms.
- a) Chance b) Certain event c) Impossible event d) Equally likely events
- .e) Likely event f) Unlikely event g) Unlikely event h) Probability
- 33. Imagine a die with the numbers 1,2,3,4,5 and 6 on its faces.
- a) List all equally likely outcomes.
- b) What is the probability of getting a even number when it is rolled.
- c) What is the probability of getting a number less than 5 when it is rolled.
- d) What is the probability of getting a whole number when it is rolled.
- 34. Draw double bar graph for the data.

Term 1	Term 2
70	75
60	78
80	85
82	73
90	88
	70 60 80 82

- 35. Solve the following equations by performing same operations on both sides.
- a) 2x + 8 = 18
- b) $\frac{y}{4} + 8 = 32$
- 36. Solve by transposing method.
- a) 5y 25 = 80.
- b) $\frac{3x}{8} = 6$
- 37. Six less than four times a number is 5. What is the number.
- 38. Rahul's mothers age is 5 years less than four times his age. What is his age if his mother is 35 years old.
- 39. Solve 9x -14= 7x
- 40. Identify the types of angles formed with the given measures. $f)360^{0}$
- c)145° d)180° e)250° a) 25° b) 90°
- 41. Define the following terms.
- a) Complementary angles
- b) Supplementary angles
- c) Linear pair
- d) Vertically opposite angles.
- 42. Find the supplement of the following angles.
- b) 126° c) 90° a) 75°
- 43. Find the complement of the following angles.
- b) 45⁰ a) 26⁰ $c)65^{0}$
- 44. Name a pair of adjacent, complementary and

Supplementary angles in the given figure.

Also write which angles constitute a linear pair.



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D

C

45. Four angles are formed by two intersecting lines. what is the measure of the fourth angle if the measure of three angles are: a) 70° , 120° , 60° b) 56° , 78° , 130°

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