INDIAN SCHOOL AL WADI AL KABIR

SUMMER HOLIDAY HOME WORK

CLASS-VII   [Department of Mathematics]   21-05-17

1. Which is greater ? 2/3 of 4/5 or 4/5 of 5/6

2. Arrange $\frac{2}{5}, \frac{7}{10}, \frac{8}{15}, \frac{13}{30}$ in ascending order.

3. In an examination hall 144 people were present. Half of them were boys, four B=72
ninth of them were girls and the rest were teachers. Find the number of girls, G=64
boys and teachers. T=8

4. Diya bought a rope of length 32 m and cut it into equal pieces measuring $3\frac{1}{5}$ m 10
each for distributing to her house students. How many students got the piece of students
rope from her?

5. Suman reads a book for $1^{3}/_{4}$ hours every day. She reads the entire book in 12 21hours
days. How many hours in all were required by her to read the book?

6. Find (i) $6 \div \frac{4}{7}$ (ii) $2\frac{1}{2} \div \frac{5}{6}$ (iii) $5\frac{1}{6} \div \frac{9}{4}$

7. Which is greater? 0.808 or 0.88

8. Express using decimals (i) 345 paise into rupees (ii) 65 mm into cm and m
(iii) 7 kg 85 g into kg

9. Compare $\frac{3}{4}$ of 1000 and $\frac{1}{4}$ of 3000 which is greater?

10. Find (i) 0.8×10 $(ii)\ 1.35 \times 100$ $(iii) 59.3 \times 1000$ $(iv) 275.4 \div 100$
(v) $8.9 \div 1000$ $(vi)\ 0.2 \div 1000$

11. A man deposits Rs 1320.25 every month in a bank. What amount does he
deposit in a year? [Hint : multiply the money by 12]

12. Find the product of (i) 45.01 x 0.02   (ii) Find the value of 4.07 x 0.35
(iii) Multiply: 1.08 x 0.09

13. A car covers 156.25 km distance in 2.5 hours. What is the distance covered by
it in one hour ?[Hint : 156.25 ÷ 2.5]

14. Each side of a regular polygon is 3.5 cm in length and the perimeter of the   7 sides polygon is 24.5 cm. How many sides does the polygon have ?[Hint 24.5 ÷3.5]

15. Find the median and the mode of the following sets of data:
    (i)1, 4, 6, 7, 9, 8, 2, 3, 6, 5, 6 (ii) 14, 15, 19, 17, 19,11, 19

16. Find the arithmetic mean of (i) First seven natural numbers.
    (ii) First five odd numbers.

17. Find the mode of raw data using frequency table:
    2, 3, 6, 4, 5, 2, 3, 4, 5, 6, 7, 7, 8, 6, 9, 8, 7, 6, 5, 6, 6, 4, 3, 5, 9,

18. Find the range of the heights(in cm) of five students: 135, 156, 144, 151,148

19. Reshmi made a survey to find out how her class mates use their home computers. She recorded the girls' and boys' responses separately as given below:

Computer use	Boys	Girls
Word Processing	4	3
Games	8	6
E-mails	5	8
Internet	6	4

(i)Which computer use is most popular among boys?
(ii)How many more girls use the computer for sending E-mails than boys?
(iii)Which computer use is least popular among girls?

20. Write certain, likely, unlikely or impossible for each of the following:
    (i)   You are younger today than a year ago.
    (ii)   A coin , when tossed will land heads up.
    (iii)   Today is Sunday, tomorrow will be Saturday
    (iv)   The Sun rises in the east.
21. Construct a line CD parallel to a given line AB , (i) When point C is not on line AB. (ii) when point C is at a distance of 5cm from AB.

22. Construct a triangle ABC, (i) AB= BC= CA 5cm, (ii) AB = AC = 7cm , BC = 4cm (iii) AB= 7.5cm, BC = 5cm and CA = 3.5cm
23. Construct a triangle PQR, with PQ = 6cm, angle Q = 60^0 and QR = 4cm

24. Construct a triangle DEF, with DE = 6cm, Angle E = 90^0 EF = 5 cm. Measure DF.