

Maths Practice Paper

M.M-80

Time-2 hr 30 min

Section A

(10 X 2 = 20)

1. Which of the following is not a Polygon? Why?

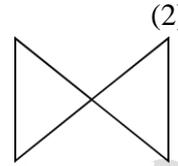
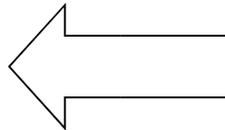
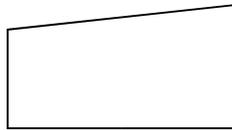
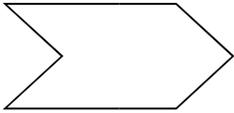


Fig. 4

(2)

2. Estimate the following using the General Rule:

(2)

a)  $8972 \div 314$

b)  $874 - 271$

3. Fill in the blanks:

(2)

a) A clock shows the time as 7 p.m. If the minute hand turns through 3 right angles (clockwise) then the new time will be \_\_\_\_\_.

b) A boy is standing looking South. He will be facing \_\_\_\_\_ if he turns clock-wise through 3 right angles.

4. Let a and b be two whole numbers. Using values of your choice show that  $a + b = b + a$ .

Name the property that you have verified.

(2)

5. Observe the given dialogues and say who is correct and why.

(Show the working using divisibility test)

(2)

The number 1258 is divisible by 6

No! The number 1258 is not divisible by 6

!

6. Find first four common multiples of 12 and 8.

(2)

7. Use the given figure to answer the following:

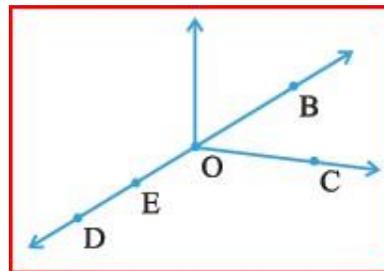
(2)

a) Type of angle formed by Angle BOC

b) A line

c) A Ray pointing North-East

d) Point where at least three rays are intersecting



8. Say True or False

(2)

a) If a number is divisible by 9 then it is also divisible by 3

b)  $24 = 2 \times 3 \times 4$  is an example of Prime Factorisation

9. Find the HCF of- (2)

a. 144, 180 and 234

b. 91, 84 and 117

10. Draw a quadrilateral ABCD such that their diagonals intersect at point O. (2)

Name the diagonals.

### Section B

(10 x 3 = 30)

11. Solve the following by suitable rearrangement. (3)

a)  $198 + 74 + 82 + 356$

b)  $4 \times 18 \times 25 \times 15$

12. Identify the property for each of the expression. (3)

a)  $956 \times 92 + 956 \times 8 = 956 \times (92 + 8)$

b)  $16 + 0 = 16$

c)  $29 + 11 = 40$

d)  $1 \times 3652 = 3652$

e)  $(11 \times 4) \times 3 = 11 \times (4 \times 3)$

f)  $17 \times 2 = 34$

13. Identify the error in the given statements and rewrite the statements correctly. (3)

a) Radius is the longest chord of the circle.

b) A rectangle is a regular quadrilateral.

c) If all the sides of a triangle are equal then it is a scalene triangle.

14. Fill the given table with 'Yes' or 'No' (3)

Number	Divisible by 4	Divisible by 5	Divisible by 10
6380			

15. Using Prime Factorisation, find the H.C.F of the following. (3)

a) 20, 28 and 36

b) 15, 50 and 65

16. Observe the given Tally Mark chart and answer the following: (3)

Furniture		Tally Marks
 Sofa		
 Chair		
 Cot		
 Table		

- Which kind is the most available furniture?
- How many more chairs are there than tables?
- What is the total number of furniture?

17. The given table shows data about different plants and their overnight growth in centimetres. Choosing a suitable scale draw a Bar Graph to represent the data and give your graph a suitable heading. (3)

Plant	Growth in centimetres (cm)
Rose	3
Marigold	2
Sunflower	4
Jasmine	2

18. Draw a rough sketch of the following: (3)

- Any letter of the English alphabet having both, horizontal and vertical line of symmetry.
- A quadrilateral with only one line of symmetry. (Horizontal or Vertical)
- A triangle with three lines of symmetry.

19. Write the following in Roman Numerals- (3)

- 3999
- 201
- 982

20. Determine the smallest 3-digit number which is exactly divisible by 6, 8 and 12.

### Section C

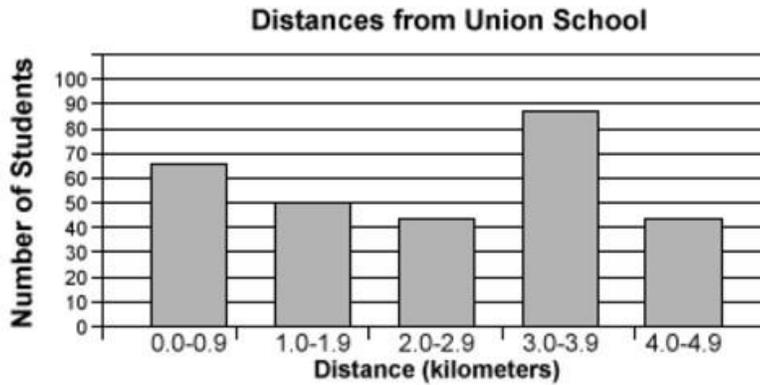
(5 X 6 = 30)

21. Draw a circle of any radius and mark the following: (1 X 6 = 6)

- Centre O
- Radius OR
- Diameter AB
- Chord EF
- Segment EF
- Any Minor Sector

22. Observe the given Bar Graph and answer the following:

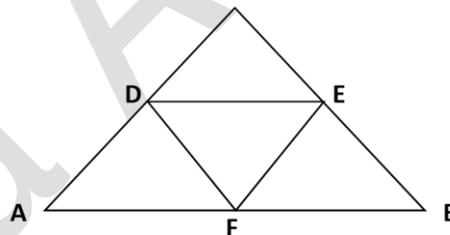
(1 x 6 = 6)



- How many students live between 1.0-1.9 km from the school?
- Between what distances from the school do 66 students live?
- Which two distances from the school do the same number of students live?
- How many students live farthest from the school?
- Approximately, how many students attend Union School? 290 or 380?
- If the students who live closest, walk to the school and the rest take buses, then how many use buses?

23. Use the given figure to name the following:

(1 x 6 = 6)

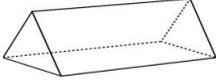


- A quadrilateral with one side as EF
- Angle opposite to point F
- Obtuse angle with D as vertex A pair of adjacent angles in quadrilateral DABE. What special name can be given to quadrilateral DABE?
- Which side is opposite to FD in quadrilateral DFBE?
- Two quadrilaterals.
- 2 angles with B as vertex.

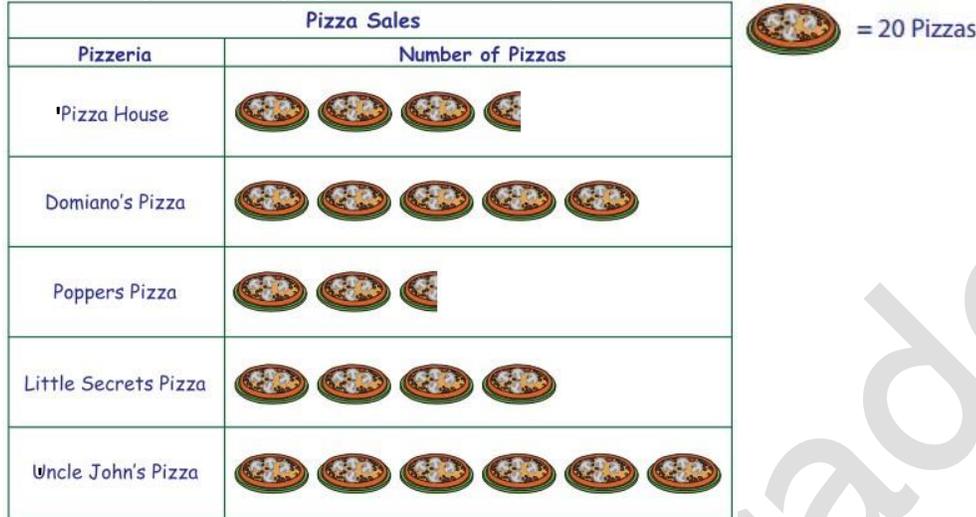
24. Observe the shapes and complete the given table.

(1 x 6 = 6)

Shape	Name	No. of Faces	No. of Vertices	No. of Edges
	_____	_____	Zero	_____

	_____	5	_____	_____
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25. Observe the given Pictograph and answer the questions.



- Which pizzeria had the second smallest sale?
- How many pizzas were sold by Poppers Pizza?
- How many more pizzas did Dominoes sell than Pizza Hut?
- Arrange the names of the pizzerias according to descending order of their sales.
- Name the pizzerias with the maximum and least number of sales? Also, give the numbers for each.