

MATHEMATICS

MODEL PAPER (CLASS-IV)

GENERAL INSTRUCTIONS:

- The question paper is divided into four sections A, B, C & D.
- Section A comprises of 20 questions each of 1 mark. All questions are compulsory.
- Section B comprises of 10 questions each of 3 marks. Attempt any eight.
- Section C comprises of 10 questions each of 4 marks. Attempt any seven.
- Section D comprises of 5 questions each of 6 marks. Attempt any three.

SECTION-A

I. FILL IN THE BLANKS.

- A1. $10X$ -----ml= 1l
- A2. The distance around the circle or the length of the circle is called its -----.
- A3. 4 ----- make a whole.
- A4. 99, 198, 297, 396, -----, -----.
- A5. There are 75 apples & 5 baskets. So in each basket -----apples are there.
- A6. There are ----- grams in 5 Kg.
- A7. Perimeter of rectangle is -----.
- A8. Pie chart is also called -----.
- A9. $654\text{ml} + \text{-----} = 1\text{l}$
- A10. If we join any two points on the circle we get a -----.

II. CHOOSE THE CORRECT ANSWER.

- A11. The fraction with numerator 29 & denominator 51 is
a) $50/29$ b) $29/51$ c) $29/50$ d) $51/29$
- A12. In $75 \div 8$ the remainder is
a) 2 b) 3 c) 4 d) 1
- A13. $12\text{ Kg } 945\text{ g} = \text{-----}$
a) 2945g b) 1945g c) 20945g d) 12945g
- A14. Length =7m & breadth= 13m, so perimeter of the rectangle is
a) 20m b) 30m c) 40m d) 50m
- A15. Pictorial representation of data is called
a) Pie Chart b) Pictograph c) Bar Graph d) Smart Charts

III. MATCH THE FOLLOWING.

- A16. If radius of a circle is 29cm, then diameter is a) 45
- A17. $3/4\text{ l} + \text{-----} = 1\text{ l}$ b) 15 minutes
- A18. If 1 😊 = 5, then 9 😊 represents c) 58
- A19. $525 \times 200 =$ d) $1/4$
- A20. Quarter of one hour is e) 105000

SECTION-B

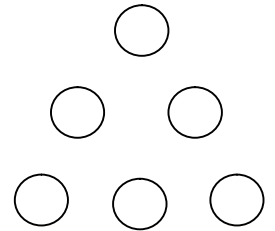
- B1. a) A petrol tanker contains 995l of petrol. It pours 456l 32ml of petrol into the tank of a petrol pump. How much petrol is left in the tanker?
- b) A can contains 5l 500ml of milk. How many bottles of 250 ml are required to store the milk?
- B2. a) Draw a circle with radius 3.5 cm. Draw a diameter. Mark the centre & diameter.
- b) Draw a circle with radius 4.5 cm. Draw a chord. Mark the centre & chord.

B3. There are 48 candles. A quarter of them are yellow. Rests are red.

- a) How many candles are yellow?
- b) How many candles are red?

B4. Use numbers 1, 2,3,4,5 & 6 to fill the following circles in the given triangles.

RULE: Numbers on each side must add up to 11.



B 5.a) One carton can hold 75 soap bars. Raja wants to pack 467 soap bars. How many cartons does he need to pack all soap bars?

b) Nikita made a necklace of 25 sea shells. How many such necklaces can be made using 110 sea shells? How many shells are left?

B6. Some weights are given below.

500g, 250g, 200g, 100g 50g

How many different ways you can make 750g? Show at least three of them.

B 7. a) A rectangular field is 75m 45cm long and 65 cm wide. Find out the boundary of the field.

b) Find out perimeter of the square field whose one side is 27cm.

B 8. Represent the following information in the form of pictograph. Give the pictograph a title & show what your symbol stands for?

Favourite sports of class IV

- a) Cricket 36 children
- b) Football 28 children
- c) Badminton 24 children
- d) Hockey 16 children
- e) Basket ball 8 children

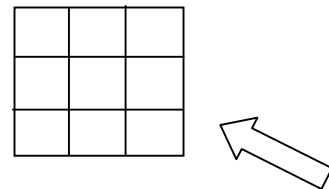
B9.Puja's grandfather was ill. Doctor gave him a bottle with 161ml of medicine. He has to take the medicine for 7 days. How much of medicine does he have to take every day?

B10. Using a rounder, make two colourful designs.

SECTION-C

C1. Find out the value.

- a) $\frac{1}{2}$ of 36
- b) $\frac{1}{4}$ of 48
- c) $\frac{2}{3}$ of 50
- d) $\frac{5}{7}$ of 49



C2. Using the numbers from 9 to 17, complete the following magic square so that the sum of each row, column & diagonal adds up to 39.

C3. Write table of 19 using table of 13 & 6.

C4. Using Re 1, Rs 2, Rs 5 & Rs 10 in how many different ways can you make Rs 35.(Show at least 4 ways)

C5. How many different shapes can you make using 3 squares of side 1cm. show at least 4.

Find out their boundaries.

C6. Make a colourful pie chart to represent the following information:

Favourite TV channel of class IV

- POGO - 30
- DISCOVERY - 15
- DISCOVERY KIDS - 25
- ANIMAL PLANET - 10
- CARTOON NETWORK - 20

C7. Fill in the blanks.

- a) 17869ml= -----l -----ml
- b) 40 l 40 ml=-----ml
- c) 30l=-----ml
- d) 5 l 5 ml=-----ml

	Circle	A	B	C	D
C 8.	Radius	26 cm	-----	-----	45 cm
	Diameter	-----	74 cm	92 cm	-----

C 9. Cost of one Kg potato is Rs 20 & one Kg tomato is Rs 36. Find out total cost of $2 \frac{1}{2}$ kg of potato and $3 \frac{3}{4}$ kg of tomato.

C10. Complete the following pattern.

$$9 \times 0 + 1 = 1$$

$$9 \times 1 + 2 = 11$$

$$9 \times 2 + \dots = \dots$$

$$9 \times 3 + \dots = \dots$$

$$9 \times 4 + \dots = \dots$$

$$9 \times 5 + \dots = \dots$$

C10.a) A Teacher has to order 852 colour pencils. If there are 12 pencils in each packet, then how many such packets does she need to order?

b) Divide & check your answer.

i) $97 \div 7$

ii) $59 \div 5$

SECTION—D

D1. Few stone pieces are given below.

5Kg, 6Kg & 2Kg

Now show how will you use these stone pieces to weigh

- 3 Kg of firewood
- 9 Kg of firewood
- 13 Kg of firewood

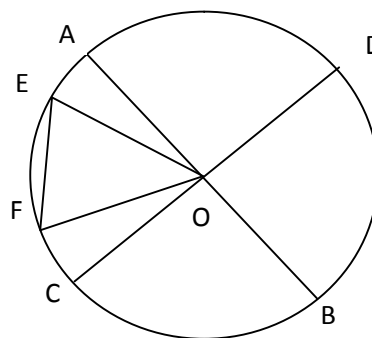
D2. Payal has to take 4 injections in a day for 7 days. Each injection gives 10 ml of medicine.

- How much medicine will she need for one day?
- How much medicine in all for 7 days?

D3. Study the figure given below.

Write true or false:

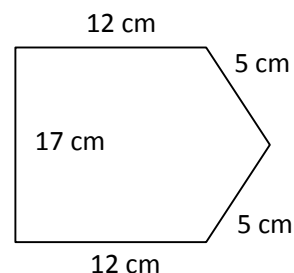
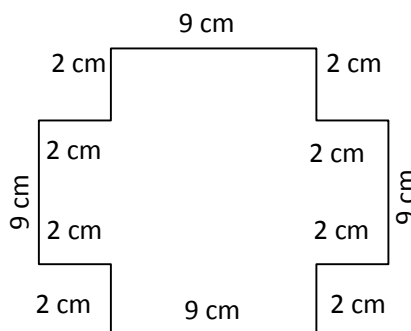
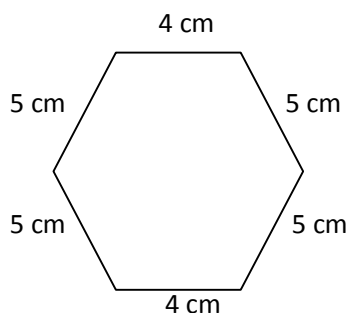
- $CD = AB$
- $AB = EF$
- $CD = EF$
- $OB = OF$
- $OA = OC$
- $CD = OD$










Fill in the blanks:


- Centre of the circle is -----.
- Two diameters of the circle are -----, -----.
- Two chords of the circle are -----, -----.

D4. Find out perimeter of the following shapes.



D5. Pictograph shows the food requirements for a balanced diet for a day in the grains.

Name of Food	Quantity
Cereals	
Sugar	
Fat & Oils	
Milk & Milk products	
Pulses	
Fruits	
Vegetables	

Each  stands for 30 g.

- Which food should be eaten the most?
- Which food forms the smallest part of our own diet?
- How many grams of pulses should we have in a day?
- What should we consume more vegetables or pulses?
- What quantity of vegetables should we consume daily?
- How many more grams of milk & milk product should we consume than fruits?