Primary (Class-5th) Education Certificate Examination 2019

Subject : Mathematics

Time : 2.00 hrs. **Total Marks : 100**

(Model Answer)

Ans 1. (A) Fill in the blanks : (Marks 10)

(2 marks on each correct answer)

(i) 1.5

(ii) 2000

(iii) 3

(iv) Shopkeeper

(v) 4

(B) Match the columns :- (Marks 10)

(2 marks on each correct answer)

(i) Grams

(ii) milliliter

(iii) Second

(iv) Sum of all sides

(v) Square centimeter

Ans 2.

$$\begin{array}{r} 75 \\ +\ 45 \\ \hline 120 \end{array}$$ 2

1.Car 1

2.Bike 1

Ans 3.

$\because$ Consumption of milk in 1 day = 250 ml 1

$\therefore$ Consumption of milk in 4 day = 250 × 4 1
= 1000 ml

$\because$ 1000 ml = 1 liter 1

Thus, consumption of milk in 4 days is 1 liter 1

Ans 4. Side of a square = 16 cm 1

Area of a square = side × side 1

= 16 cm × 16 cm 1

= 256 sq cm 1

Thus, area of square is 256 square centimeter

Ans 5.

s.n.	Items	Quantity	Rate(in rupees)	Amount (in rupees)	
1.	Pen	6	5	30	1/2
2.	Copy	8	10	80	
3.	Pencil	10	5	50	1/2
4.	Rubber	5	2	10	1/2
			Total	170	1/2

Ans 6.

$\because$ 24 hours = 1 day 1

1 hour = $\frac{1}{24}$ day 1

72 hours = $\frac{1}{24} \times 72$ 1

= 3 days 1

Ans 7.

8 hours work completed in 5 hours 40 minutes 1

∴ He completed the work before time

7 hours 60 minutes 1

— 5 hours 40 minutes

2 hours 20 minutes 1

Thus he completed his work 2 hours 20 minutes before 1

Ans 8. Total Quantity of rice = 235 kilogram

Rice sold on the first day	75 kilogram	1
Rice sold on the second day	85 kilogram	
Rice sold on the third day	52 kilogram	
Quantity of rice sold	212 kilogram	2
Total quantity of rice Ramlal had	= 235 kilogram	1
Quantity of rice sold	- 212 kilogram	
Quantity of rice left	= 023 kilogram	1

The quantity of rice left with him is 23 kg 1

Ans 9.

1. To calculate the age for a particular date, year month day 1

   We write first year then month and then date 2000 12 31 1

2. Rita's date of birth 1989 03 29

   11 09 02 3

Thus, Rita's age on 31 December 2000 is 11 years 9 months 02 days. 1

Ans 10. Area of courtyard = 48 square meter

Breadth of courtyard = 6 meter 1

We have to find the length of courtyard 1

We know that, area ÷ breadth = length 1

$48 \div 6$ = length 1

8 = length 1

Thus, length of courtyard is 8 meter 1

Ans 11. Capacity of 1 mug = 300 ml

Capacity of 27 mug $= 27 \times 300$ 1

$= 8100$ ml 1

$\because$ 1000 ml = 1 liter 1

$\therefore$ 1 ml $= \frac{1}{1000}$ liter 1

$\therefore$ 8100 ml $= \frac{1}{1000} \times 8100$ 1

$= 8.100$ liters 1

Thus, the capacity of the bucket is 8.100 liters

Or

$\because$ 1 liter = 1000 ml 1

$\therefore$ 4.5 liter $= 4.5 \times 1000$ ml

$= 4500$ ml 1

Then 500 ml of milk is filled in 1 bottle

$\therefore$ 1 ml of milk is filled in $\frac{1}{500}$ bottle 1

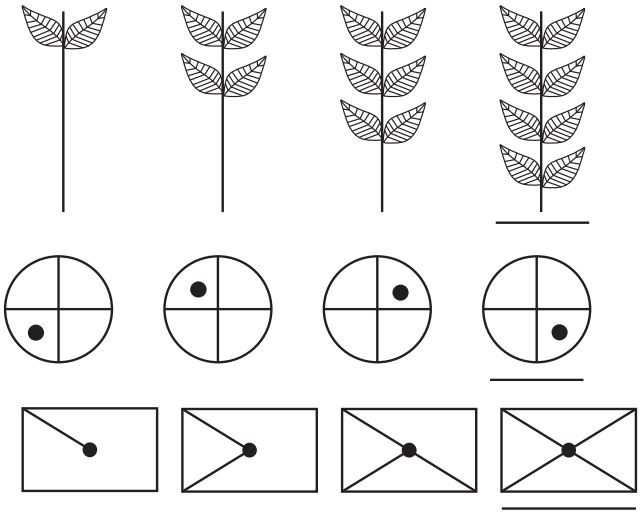
$\therefore$ 4500 ml of milk is filled in $\frac{1}{500} \times 4500$ bottles 1

$= \frac{4500}{500}$ bottles

$= 9$ bottles 1

Thus, 9 bottles can filled with 4.5 liter of milks 1

Ans 12. The next pattern of the picture will be

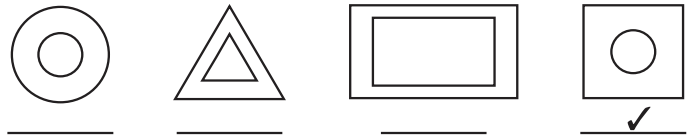


2

2

2

Or

1. 

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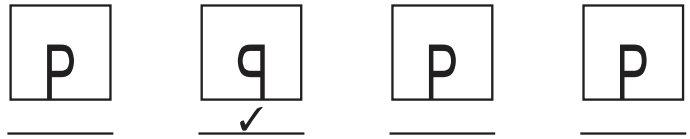
2. 

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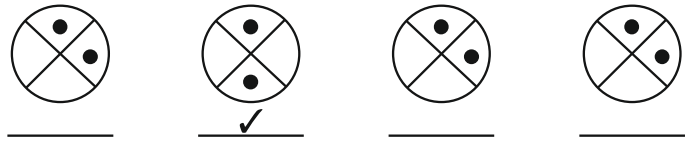
3. 

2

Ans 13. The garden is square in shape

Side of the garden = 250 m 1

$\because$ Perimeter of a square = 4 × side 1

= 4 × 250 1

= 1000 metre 1

length of wire required for 4 rounds fencing around it

= 1000 m ×4 1

= 4000 m 1

Thus, the length of wire required to put 4 rounds 1

Fencing around the garden is 4000 m 1

Or

Length of rectangular ground = 200 metre

and breadth of the ground = 150 metre 1

Perimeter of rectangle = 2 × length + 2 × breadth 1

= 2 × 200 + 2 × 150 1

= 400 + 300 1

= 700 metre. 1

$\because$ Distance covered in 1 round = 700 m

$\therefore$ Distance covered in 2 rounds = 2 × 700 m 1

= 1400 m 1

Thus, the distance covered by Meena to take two

rounds around the boundary is 1400 m 1

Ans 14. $\because$ cost of 7 kg of dal = Rs. 214.94

$\therefore$ cost of 1kg of dal = Rs. $\frac{214.94}{7}$ 1

1

= Rs. 30.70 (approx) 2

$\therefore$ cost of 4 kg dal = Rs. 30.70 × 4 1

= Rs. 122.80 (approx) 2

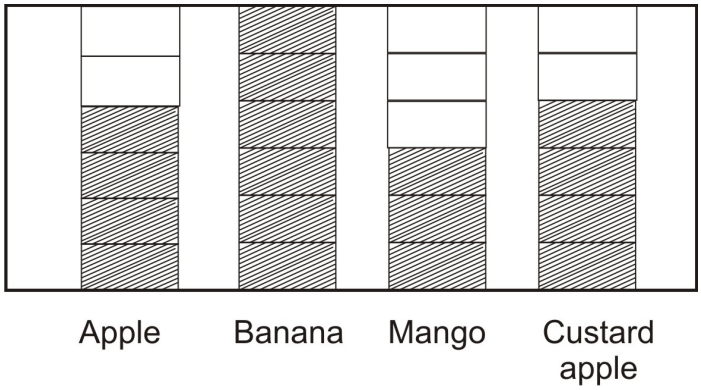
Thus, cost of 4 kg dal will be 122.80 Rs. 1

Or

∵	1 week	= 7 days	1
∵	1 day charges	= Rs. 63 and 75 paise = Rs 63.75	1
∴	7 days charges	= Rs 63.75 × 7	2
		= Rs. 446.25	3

Thus amount Savitri will get for a week is Rs. 446.25 1

Ans 15.



(6 marks on correct shading)

(i) 2 bananas more 1
(ii) mango 1
(iii) apple, custard apple 2

Or

(i) Cricket 2

(ii) Kabaddi 2

(iii) 2 2

(iv) Kabaddi 2

(v) 12 2