

HOTS

16) Arjun's snack shop sells small, medium and large sodas. Yesterday, they sold 5 large sodas and 11 more medium sodas than large sodas. Arjun's snack shop also sold 12 small sodas yesterday. How many total sodas did Arjun's snack shop sell yesterday?

- a) 31
- b) 22
- c) 13
- d) 33

17) Every week Suhana saves Rs.100 on Monday and Rs200 on Friday but spends Rs.150 on Sunday. If this is her total weekly savings, how many weeks would she take to save enough to buy a Rs.2100 mobile phone?

- a) 52 weeks
- b) 7 weeks
- c) 46 weeks
- d) 14 weeks

18) In a park, Ria notices that there are 26 legs. How many people and dogs can be there in the park?

- a) 5 people and 5 dogs
- b) 6 people and 4 dogs
- c) 4 people and 4 dogs
- d) 5 people and 4 dogs

19) Gautam solved the problem as shown below. Which expression could be used to check his result?

$$4502 \div 5 \quad \text{Quotient: } 900 \quad \text{Remainder: } 2$$

- a) $(900 + 5) \times 2$
- b) $(900 + 2) \times 5$
- c) $(900 \times 2) + 5$
- d) $(5 \times 900) + 2$

20) Which rule can be used to explain this number pattern?

1, 4, 13, 40, 121, 364, 1093...

- a) Add 0, then add 1, then add 2, and so on
- b) Multiply by 1, then multiply by 2, then multiply by 3, and so on
- c) Multiply by 3 and subtract 1
- d) Multiply by 3 and add 1