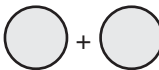



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STATE LEVEL SCIENCE TALENT SEARCH EXAMINATION - CODE: UCS-717
SOLUTIONS FOR CLASS : 2
Mathematics

1. (D) $250 + 250 + 250 + 250 = 1000$
 $= 10 \times 100$
2. (B)  = 6
 Hence  = 3 kg
 and  = $7 - 3$
 $= 4$ kg
3. (C) A) Eight - nine = 89
 B) 8 tens 3 ones = 83
 C) 9 more than 72 = $72 + 9 = 81$
 D) 2 less than 84 = $84 - 2 = 82$
 $\therefore$ The smallest value is 9 more than 72.
4. (B) The complete shape in this picture is rectangle.
5. (D) 6 eights + 1 eight = 7 eights.
 7 eights = $(7 \times 2) = 14$ fours.
6. (B) $10 - 8 = 2$
7. (D) $1100 \div 11 = 100$ which consists of 10 tens.
8. (C) 1 packet of biscuits = 200
 4 packets of biscuits = 800
 1 packet of flour = 350
 difference = $800 - 350 = 450$ g
9. (A)

Total stamps	=	630
given stamps	=	150
		480

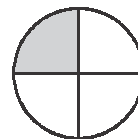
stamps remained with sita 480
10. (A) Total straws = 20
 Total no. of persons = mohan + 4 friends
 $= 5$ persons
 number of straws each gets = $20 \div 5 = 4$

11. (C) Actual time = $6 : 00 + 0 : 10$
 $= 6 : 10$

12. (A) $\frac{1}{6} + \frac{3}{6} = \frac{1+3}{6} = \frac{4}{6}$

13. (B) $32 \times 5 = 160 = 8 \times 20$

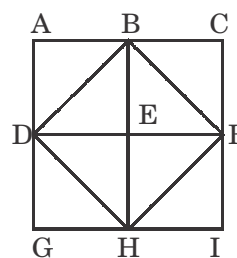
14. (C)



In the figure, the whole pizza is divided into 4 equal pieces. By using fraction each piece can be represented by $\frac{1}{4}$. Since Jiya ate one piece of the pizza the corresponding fraction is $\frac{1}{4}$.

15. Delete

16. (C)



From the given figure

ACGI – 1 square	BDFH – 1 square
ABDE – 1 square	BCEF – 1 square
DEGH – 1 square	EFHI – 1 square

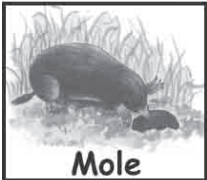
$\therefore$ Total 6 squares.

17. (A) No. of legs of an ant = 6 legs
 $= 2$ legs + 2 legs + 2 legs
 $= 1$ pair + 1 pair + 1 pair
 $= 3$ pair of legs.
 No. of legs of 7 ants = 7×3
 $= 21$ pairs of legs.

18. (C) Break time started at 1 : 45 and ended at 2 : 00. Hence the duration of break is 15 minutes.
19. (D)
$$\begin{array}{r} 5 \\ \times 7 \\ \hline 35 \end{array}$$

 $\therefore X + Y = 5 + 7 = 12$
20. (C) $843 = 800 + 40 + 3$
 8 hundreds + 4 tens + 3 ones
21. (C) Number of days from Sunday to Thursday
 = Sunday, Monday, Tuesday, Wednesday, Thursday
 = 5 days.
 Number of dresses sewed in a day = 8
 Number of dresses in 5 days = $5 \times 8 = 40$
22. (D) $597 = 500 + 90 + 7$
 $= 500 + \boxed{9} \times 10 + 7$
23. (C) $P = Q$, $Q > R$, among P, Q and R the lightest object is R.
24. (C) Total cakes Sunil had = 12
 Cakes given to his friends = 4
 $\text{Left over cakes after eating} = \frac{1}{2}$
 i.e., $12 - 6 = 6$.
 $\therefore$ Remaining half i.e., cakes were eaten.
 Out of which 4 were eaten by friends.
 $\therefore$ No. of cakes Sunil ate = $6 - 4 = 2$.
25. (D) There are 6 triangular shapes.

General Science

26. (D) Thyme is a herb.
27. (B) We get paper from bamboo.
28. (B) Coconut fibre is also called coir. It is used in making ropes and mats.
29. (C) Deer is a herbivore.
30. (D) We hear songs with our ears. They help us in the sense of hearing.
31. (A) The part labelled 'X' is arm.
32. (A) We get wool from the fleece of sheep. Woollen clothes keeps us warm and are preferred to be worn during winter season.
33. (D) The lead in pencil is made of graphite.
34. (C) In the given figure R is the leaf. Leaves make food for the plant.
35. (C) The weather chart shows Wednesday as sunny and windy day.
36. (C) Spider spins a web.
37. (C) 
 Mole
- Mole live in the holes. It dig holes in the ground.
38. (C) Wind move things. A parachute move when wind blows.
39. (A) The moon is much nearer to the Earth.
40. (D) Ginger is a stem part of the plant.
41. (D) Earth takes 1 year to revolve around the sun.
42. (B) Earthworm is a living thing.
43. (D) Air occupies space.
44. (D) We get oil from groundnut, coconut and sunflower.
45. (A) Skin is the sense organ of touch.
46. (B) If a boy stands under the sun in the east, his shadow will be cast in the west.
47. (B) We get heat and light from the sun.
48. (D) Maize is a cereal.
49. (C) Nose, eye and ear are sense organs.
50. (D) We get cooking oil from groundnut seeds.