



UNIFIED COUNCIL

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STATE LEVEL SCIENCE TALENT SEARCH EXAMINATION - 2013

SOLUTIONS FOR CLASS : 3

Mathematics

1. (A) $9 + 658 = 667$
= Six hundred and sixty – seven

2. (C) $3060 \text{ g} = 3 \text{ kg } 60 \text{ g}$

3. (B)

4. (B) $\text{₹ } 100 \times 40 = \text{₹ } 4000$
 $\text{₹ } 50 \times 80 = \text{₹ } 4000$
 $\text{₹ } 1 \times 35 = \text{₹ } 35$
 $\text{₹ } 0.50 \times 10 = \text{₹ } 5$
 $\text{₹ } 8040$

5. (B) $2 \times 7 = 14$

6. (C) $2 \text{ l } 750 \text{ ml}$
 $+ 2 \text{ l } 250 \text{ ml}$
 $\text{4 l } 1000 \text{ ml} = 5 \text{ l}$

7. (A) $781 - 590 = 191$ (smallest)
 $800 - 420 = 380$
 $1180 - 389 = 791$
 $980 - 782 = 198$

8. (D) $9000 + 200 = 9200 \text{ cm} = 92 \text{ m}$

9. (A)

10. (C) $\text{₹ } (50 \times 4 + 7 \times 5 + 9 \times 1 + 7 \times 10)$
 $= \text{₹ } (200 + 35 + 9 + 70)$
 $= \text{₹ } 314$

$$\text{₹ } 314 < \text{₹ } 344$$

So, he cannot buy the camera.

11. (B) $\frac{3}{9} = \frac{1}{3}$

12. (B) $\frac{3}{4} \times 24 \text{ hours} = 18 \text{ hours}$

13. (B) $673 \div 5 = 134 \text{ R } 3$

14. (C) $\frac{150}{1000} = 0.15 \text{ l}$

15. (D)

16. (B) $92000 \div 100 = 920 \text{ g}$

17. (B) $350 \times 4 = 1400$
There are 14 hundreds.

18. (A) $11 + 13 + 15 + 17 = 56$
 $= 5 \text{ tens } 6 \text{ ones}$

19. (C) $3 \text{ km } 4 \text{ m} = 2 \text{ km } 1004 \text{ m}$
 $1 \text{ km } 80 \text{ m} = 1 \text{ km } 80 \text{ m}$
 $\therefore \text{Difference} = 1 \text{ km } 924 \text{ m}$

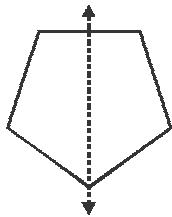
20. (A) $\text{₹ } 5407 + \text{₹ } 938 \neq \text{₹ } 6346$

21. (A) 6 lines and 2 curves

22. (C) $9 \times \frac{1}{10} \Rightarrow \text{There are 9 tenths.}$

23. (D) Half past five = 5:30 at which the minute hand points to 6.

24. (D)



25. (B) 7 semicircles

26. (C) $1 - \frac{2}{7} = \frac{7}{7} - \frac{2}{7} = \frac{5}{7}$

27. (C) $672 + 328 = 1000$
 $582 + 418 = 1000$

28. (D)

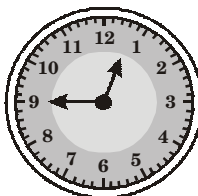


29. (D) $810 \text{ cm} = 8 \text{ m } 10 \text{ cm} \neq 8 \text{ m } 10 \text{ mm}$

30. (B) $2 \text{ thousands} + 5 \text{ tens} = 2000 + 50 = 2050.$

31. (C) $\frac{3}{4} > \frac{2}{3} > \frac{1}{2}$

32. (B)



33. (A) The figure in option (A) has more number of flat surfaces.

34. (C) $38 \times ₹ 0.90 = ₹ 34.20$ and
 $38 \times ₹ 1.20 = ₹ 45.60$
 $38 \times ₹ 0.90 < ₹ 35 < 38 \times ₹ 1.20$

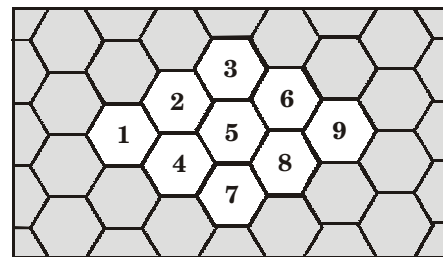
35. (B) $6735 + 456 = 7191$
 $8657 - 7191 = 1466$

36. (B) $3700 \text{ g} = 3 \text{ kg } 700 \text{ g}$

37. (D) $6000 - 60 = 5940$

38. (B) $2 \text{ m } 70 \text{ cm} + 6 \text{ m } 89 \text{ cm} + 94 \text{ cm} = 8 \text{ m } 253 \text{ cm}$
 $253 \text{ cm} = 2 \text{ m } 53 \text{ cm}$
 $\Rightarrow \text{Total length} = 8 \text{ m} + 2 \text{ m } 53 \text{ cm}$
 $= 10 \text{ m } 53 \text{ cm}$

39. (B)



40. (C) $12 - 4 = 8$

General Science

41. (C) Birds, trees and worms are living things.

42. (B) The flower is a reproductive part of the plant. It develops into a fruit.

43. (A) A crane is a wading bird. Birds that walk through water are called wading birds.

44. (D) Horses are kept in a stable.

45. (B) The given diagram is of digestive system. It helps in the breaking down of complex food substances to simpler substances in the process of digestion.

46. (C) Air, food and water are the basic needs of all living things.

47. (B) Plants are the only living things that can make their own food. In the given figure, Q is a dandelion plant which can produce its own food.

48. (B) Spitting in the open is a bad habit. It spreads the disease causing germs that are present in the air and pollute it.

49. (D) Flying kites in open terrace is not safe. It may cause accidents.

50. (C) Loam soil is the best for the growth of plants. Roots of plant lie in top soil. The layer below the top soil is called sub soil. Bed rock is the hardest layer of the soil.

51. (C) In stomach undigested food is mixed with digestive juices for digestion and in large intestine water is absorbed from undigested food.

52. (C) Sandy soil is mostly found in deserts and beaches.

53. (D) The sun is a huge ball of fire. It can give out light and heat.

54. (B) The sun gives out light and heat. Water gets heated up due to sun's heat and evaporates. Water in the glasses get evaporated and salt is left after several weeks.

55. (C) Clay soil holds more water and is less porous.

56. (B) The height of the shadow is double the size of the object. The height of the shadow = 40 feet. So, the size of the tree = 20 feet

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| <p>57. (A) The given figure is of heart. Heart is the main pumping organ in blood circulatory system.</p> <p>58. (A) Animals that eat both plants and animals are called omnivores. Bear is an omnivore.</p> <p>59. (B) Herbivores like cow chew the cud.</p> <p>60. (D) A rabbit is a herbivore.</p> <p>61. (D) The humming bird and the sun bird drink nectar from flower. They have long and pointed beaks to poke into flowers and suck nectar like straw.</p> <p>62. (D) The tail of a bird acts like a rudder of an aeroplane. It helps the bird to change the direction.</p> <p>63. (B) A flower is the reproductive part of a plant. It develops into fruits and produces seeds.</p> <p>64. (D) Leaf blade, veins and stomata are the parts of a leaf. The flat part of a leaf is called the leaf blade. In the middle of the leaf blade a thin tube with many branches are called veins. The lower side of the leaf has many tiny openings called stomata.</p> | <p>65. (B) The soil is a non-living part in a forest.</p> <p>66. (B) Birds that crack nuts, eat grains and seeds have short, hard and horny beaks.</p> <p>67. (C) The animals in the given box are birds. Birds have feathers.</p> <p>68. (C) The sun rises first in places in the east.</p> <p>69. (A) Sandy soil does not hold any water, as it has very large grains of soil.</p> <p>70. (C) Fish - Gills, Humans - Lungs, Trees - Stomata.</p> <p>71. (B) Kitchen - cooking, Drawing room for meeting guests, Dining room for eating, Store room for keeping things.</p> <p>72. (C) A sharpener is safe to use to sharp pencils.</p> <p>73. (A) Top soil contains roots of plants and grass in it.</p> <p>74. (C) Increase in the lighted phase of the moon is called waxing.</p> <p>75. (C) Ice cream stick and ice cream are in the solid state of matter.</p> |
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