



UNIFIED COUNCIL

An ISO 9001:2008 Certified Organisation



UNIFIED CYBER OLYMPIAD - UC 326

Solutions for class : 3

Mental Ability

- (B)** Number of tens in 798 = 79
Number of tens in 738 = 73
∴ There are 6 more tens in 798 than 738.
- (C)** 300 tens = 3000
20 hundreds = 2000
300 tens more than 20 hundreds
= 3000 + 2000 = 5000
- (D)** Smaller number = 1836
Greater number = 1836 + 465 = 2301
Sum of 1836 and 2301 = 4137
- (A)** Number = $(83 \times 9) + 1 = 748$
- (C)** Number of boys = 8
Chocolates each of them has = 9
Number of chocolates at first = $(8 \times 9) + 2$
= $72 + 2 = 74$
- (B)** $\underline{72} + 28 = 100$
 $\underline{72} - 63 = 9$
∴ The required number is 72.
- (C)** Amount Mary paid for apples
= ₹ $(125 - 5) = ₹ 120$
Cost of 3 apples = ₹ 40

Number of apples she bought = ₹ $\frac{120}{40} \times 3 = 9$
- (C)** Option (A): 2500 p = ₹ 25
Option (B): Eighteen rupees = ₹ 18
Option (C): 80 fifty paise coins
= $80 \times 50p = 4000p = ₹ 40$
Option (D): 3 five rupee coins
= $3 \times ₹ 5 = ₹ 15$
∴ Option (C) has the greatest value.
- (A)** Hundred less than 1001 = $1001 - 100 = 901$
- (D)** The measure is 1.5 kg i.e., 1500 g
- (A)** Time two hours from now = 3: 10 p.m.
Present Time = 3: 10 – 2: 00
= 1: 10 p.m.
Time half an hour ago = 1: 10 min – 30 min
= 12: 40 p.m.
- (D)** Time duration between 11: 56 a.m. and 12: 05pm. is 9 minutes.
1 minute = 60 seconds
9 minutes = 9×60 seconds
= 540 seconds
- (A)** (i) $135 \div 5 = 27, 135 \times 0 = 0$
 $27 > 0$
(ii) $792 \div 6 = 132, 10 \times 13 = 130$
 $132 > 130$
(iii) $4 \times 79 = 79 + 79 + 79 + 79$
(iv) $8000 - 4095 = 3905 = 3000 + 900 + 5$
∴ Option (A) is a wrong statement.
- (B)** Number between 29 and 22, that is divisible by 9 is 27.
∴ Sahil is 27 years old
- (A)** $\frac{10 \div 2}{12 \div 2} = \frac{\boxed{5} \times 3}{6 \times 3} = \frac{15}{\boxed{18}}$
∴ The missing number are 5 and 18.

Reasoning

16. (A, D) The given sequence follows a pattern, it repeats after every four figures. Hence the missing shape should be similar to the second figure in the sequence.
17. (B) $3 \times 2 = 6$, $10 \times 4 = 40$
 \therefore The missing number = $72 \div 8 = 9$
18. (B)
- | | | | | | | | | | | | | | | | | |
|---|---|---|---|--|---|---|---|---|---|--|---|---|---|---|---|---|
| R | O | S | E | | C | H | A | I | R | | P | R | E | A | C | H |
| ↓ | ↓ | ↓ | ↓ | | ↓ | ↓ | ↓ | ↓ | ↓ | | ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 6 | 8 | 2 | 1 | | 7 | 3 | 4 | 5 | 6 | | 9 | 6 | 1 | 4 | 7 | 3 |
- \Rightarrow
- | | | | | | |
|---|---|---|---|---|---|
| S | E | A | R | C | H |
| ↓ | ↓ | ↓ | ↓ | ↓ | ↓ |
| 2 | 1 | 3 | 6 | 7 | 3 |
- \therefore The code of search is 214673.
19. (B) Except option (B), all other options have + symbol at the corner of the shape.
20. (A) In each pair, the second image is obtained by interchanging the position of shapes of first image; and the shapes are turned 180° clockwise before interchanging.
21. (A) In the first pair, a small circle is imposed at the centre of the second figure. Similarly, a square must be imposed at the centre of the second figure, in the second pair
22. (C)
- | | | | | | |
|-------|-------|-------|-------|-------|-------|
| 8702, | 7603, | 6504, | 5405, | 4306, | 3207, |
| -1099 | | -1099 | | -1099 | |
23. (C) Except option (C), all other figures are 4 sided figures
24. (A) Increasing order of the durations minute > day > fortnight > year.
25. (C) $3 + 2 + 5 + 1 = 11$
 $8 + 3 + 6 + 2 = 19$
 $4 + 7 + 1 + 3 = 15$
26. (C) The given sequence follows a pattern, it repeats after every four figures, hence the missing number should be similar to the first figure in the given series.
27. (D) In each pair the first figure shows the side face of the solid shape in the figure.
28. (A) The two half pieces in the top are joined together to form a single shape below along the column.
29. (D) The given sequence follows a pattern, it repeats after every four figures. Hence the missing shape should be similar to the second figure in the sequence.
30. (C) Except in option (C), in all other shapes the line passes through all three circles

Computers

31. (A)
32. (A)
33. (A)
34. (C)
35. (B)
36. (B)
37. (A)
38. (B)
39. (D)
40. (A)
41. (B)
42. (C)
43. (Del)
44. (A)
45. (D)
46. (B)
47. (A)
48. (D)
49. (D)
50. (D)

English

