



Unified International  
Mathematics Olympiad

**UNIFIED INTERNATIONAL MATHEMATICS OLYMPIAD**

**CLASS - 1**

**Question Paper Code : 4P104**

**KEY**

<b>1</b>	<b>2</b>	<b>3</b>	<b>4</b>	<b>5</b>	<b>6</b>	<b>7</b>	<b>8</b>	<b>9</b>	<b>10</b>
C	B	C	D	C	A	C	B	D	B
<b>11</b>	<b>12</b>	<b>13</b>	<b>14</b>	<b>15</b>	<b>16</b>	<b>17</b>	<b>18</b>	<b>19</b>	<b>20</b>
C	B	A	D	B	A	C	C	C	A
<b>21</b>	<b>22</b>	<b>23</b>	<b>24</b>	<b>25</b>	<b>26</b>	<b>27</b>	<b>28</b>	<b>29</b>	<b>30</b>
A	C	D	D	D	A	B	B	A	C
<b>31</b>	<b>32</b>	<b>33</b>	<b>34</b>	<b>35</b>	<b>36</b>	<b>37</b>	<b>38</b>	<b>39</b>	<b>40</b>
C	C	C	B	C	A	C	B	C	B

**SOLUTIONS**

**MATHEMATICS**

01. (C) Shaded square = 17

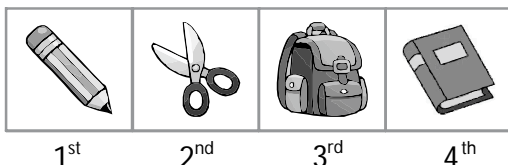
White square = 8

$$17 - 8 = 9$$

02. (B)  $8 < 9$

Except option (B) other options can replace then question mark to make the statement true

03. (C)



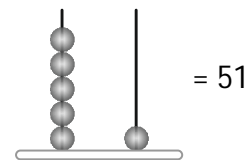
1<sup>st</sup>

2<sup>nd</sup>

3<sup>rd</sup>

4<sup>th</sup>

04. (D)



= 51

Number name of 51 = fifty one

05. (C)  $3 + 2 = 5$

06. (A)  $4 + 3 = 7$

$$7 - 2 = 5$$

07. (C) 10, 11, 12, 13, 14, 15, 16, 17, 18, 19, 20

Anu write the digit 1 a total of 11 times

08. (B)



Lightest to heaviest

09. (D)

Among the options only Rs. 1 Lollipop can buy using Rs. 5

10. (B)

Any number minus zero will be equal to itself

Ex :  $1 - 0 = 1$

$2 - 0 = 2$

$3 - 0 = 3$

11. (C)

$6 - 2 = 4$

$4 - 1 = 3$

12. (B)

$P > Q > R > S$ .

13. (A)

$10 - 6 = 4$

14. (D)



15. (B)

Square  is not in the picture.

16. (A)

Wheel, Cone, Bottle, Manjha can roll.

17. (C)

$$\begin{array}{c} 5 \\ \triangle \\ 9 \\ \hline 2 \quad 2 \end{array} = 5 + 2 + 2 = 9$$

$$\begin{array}{c} 10 \\ \triangle \\ 14 \\ \hline 1 \quad 3 \end{array} = 10 + 1 + 3 = 14$$

$$\begin{array}{c} 4 \\ \triangle \\ 18 \\ \hline 7 \quad ? \end{array} = 4 + 7 + 7 = 18$$

18. (C)

(A) Rs. 60 > Rs. 50

(B) Rs. 80 > Rs. 50

(C) Rs. 40 < Rs. 50

(D) Rs. 50 = Rs. 50

19. (C)

If a month ends on a Tuesday the next month begin on a Wednesday

20. (A)

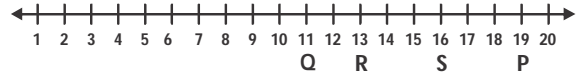


21. (A)

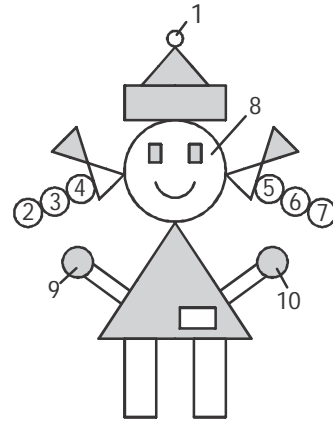
5 coins of Rs. 1 make Rs. 5

22. (C)

$17 - 4 = 13$



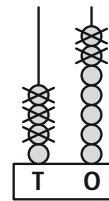
23. (D)



24. (D)

Number name of 96 = Ninety-Six

25. (D)



26. (A)

A measuring cup is used to measure liquid capacity

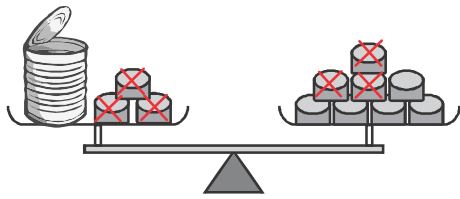
27. (B)

$79 = 70 + 9$

28. (B)

	1 ↑			
		8 ↗		
2 ←	Friday	January	Winter	Summer
	May	June	Thursday	September
3 ↓	December	Monday	Spring	Autumn
4 ←	March	August	Sunday	July
	Saturday	Wednesday	Friday	April
		5 ↓		6 →

29. (A)

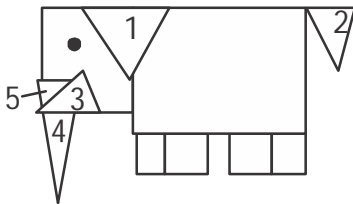


30. (C) 6, 4, 2, 1 are in Decending order (biggest to smallest)

**REASONING**

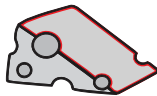
31. (C) A rabbit eats carrot, a dog eats flesh.

32. (C)



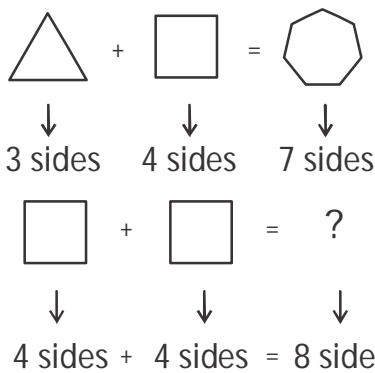
So, there are five triangles in the given figure.

33. (C)

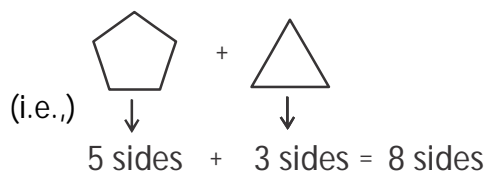


34. (B) In the given figure, the amount of water in each glass decreases in the series, T, R, P, S, Q.

35. (C)

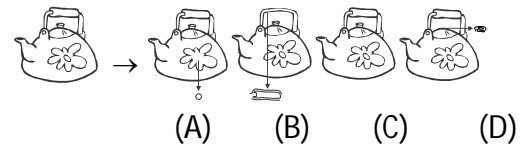


Of the given options, the sides of the figures in option (C) add upto 8.



36. (A) The two digits in the number are in decreasing order, unlike in the others.

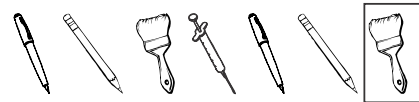
37. (C)



The object in option (C) is exactly the same as the one given in the figure.

38. (B) The figures given in the options (A), (C) and (D) can be seen on a rainy day, but the sun does not represent a rainy day.

39. (C) The given series is a repeating pattern, in which the first 4 figures as a group are repeated. The seventh figure must be same as the third figure i.e. paint brush.



40. (B) Among the options, Thermometer belongs to the first aid kit