



**ARYABHATA MATHEMATICIAN OF THE YEAR**

**NUMERICAL ABILITY TEST 2017**

NAME:- \_\_\_\_\_ Reg. No:- \_\_\_\_\_ GRADE - II  
 SCHOOL NAME: \_\_\_\_\_ CONTACT NO. \_\_\_\_\_

NO. OF QUESTIONS: 40 TOTAL MARKS: 40 TIME: 60 MINUTES

<b>SECTION-A</b>	<b>a</b>	<b>b</b>	<b>c</b>	<b>d</b>				
1) Complete the pattern given below. <b>5, 10 _____ 30, 35</b> a) 28,29,30    b)15,20,25    c)15, 20, 29    d)20, 25, 29	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
2) How many squares are there in the following figure? a) 4            b) 3            c) 5            d) 2 <div style="float: right; border: 1px solid black; width: 40px; height: 40px; margin-top: 10px;"> <table border="1" style="width: 100%; height: 100%; border-collapse: collapse;"> <tr><td style="width: 50%; height: 50%;"></td><td style="width: 50%; height: 50%;"></td></tr> <tr><td style="width: 50%; height: 50%;"></td><td style="width: 50%; height: 50%;"></td></tr> </table> </div>					<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3) What is the missing digit in the addition? $\begin{array}{r} 9 \quad 8 \\ + 5 \quad \boxed{?} \\ \hline 1 \quad 5 \quad 2 \end{array}$ a) 4            b) 3            c) 8            d) 5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
4) Which number makes the given expression true? $56 - \boxed{\quad} = 16$ a) 45            b) 36            c) 40            d) 42	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				
5) Which of the following options is true for the expression shown below? $13 + 9 = ?$ a) 3 more than 20            b) 3 less than 25            c) 6=18 d) 2 tens 5 ones	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>				

**SECTION-B**

1) If Jenny had <b>12</b> mangoes in <b>1</b> basket. How many mangoes does she have in <b>3</b> baskets? a) 48            b) 24            c) 60            d) 36	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2) Which set of numbers has an odd number in it? a) 25,30,35    b) 13,15,17,19    c) 4,8,12,16    d) 9,19, 27,36	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3) Which of the following is the best estimate for how much a person weighs? a) Milligrams    b) Kilograms    c) Decigrams    d) Grams	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



4) Find the sum of numbers <b>1 8 9 6</b> . a) 24                      b) 29                      c) 18                      d) 36	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5) How many tens are there in <b>869</b> ? a) 60                      b) 6                      c) 69                      d) 66	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6) What is the place value of the number <b>6</b> in <b>5698</b> ? a) thousands                      b) hundreds                      c) tens                      d) ones	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7) What is <b>7</b> less than <b>963</b> ? a) 956                      b) 965                      c) 945                      d) 936	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8) What number is <b>3</b> greater than <b>11</b> ? a) 14                      b) 15                      c) 16                      d) 20	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
9) What should be multiplied by <b>8</b> to get <b>64</b> ? a) 9                      b) 5                      c) 3                      d) 8	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
10) What is the half of <b>100</b> ? a) 50                      b) 25                      c) 80                      d) 60	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
11) <b>5 + 40 + _____ = 85</b> a) 40                      b) 48                      c) 70                      d) 45	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
12) One starfish has <b>5</b> arms. How many arms do <b>5</b> starfish have? a) 20                      b) 30                      c) 50                      d) 25	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
13) What is the number of days in the third month of the year? a) 29                      b) 30                      c) 31                      d) 28	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
14) How many days are there in <b>2</b> weeks? a) 14                      b) 15                      c) 20                      d) 21	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
15) How many <b>5</b> 's are there in <b>50</b> ? a) 10                      b) 5                      c) 15                      d) 12	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
16) <b>6</b> auto rickshaws have _____ wheels. a) 18                      b) 20                      c) 24                      d) 15	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>



17) $12 + 8 - 5 = ?$ a) 15                  b) 16                  c) 20                  d) 3	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
18) $600 - 100 = ?$ a) 400                  b) 550                  c) 500                  d) 450	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
19) How many pairs are there in <b>8</b> ? a) 2                  b) 4                  c) 6                  d) 1	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
20) Which is the smallest <b>3</b> -digit number? a) 998                  b) 999                  c) 900                  d) 899	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
<b>SECTION-C</b>				
1) When the car wheels make one full rotation the car moves forward by about <b>2</b> meters. How far will the car move forward after 9 rotations? a) 21 metres          b) 18 metres          c) 19 metres          d) 20 metres	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
2) How many <b>50</b> p coins are there in <b>₹10</b> ? a) 10                  b) 20                  c) 30                  d) 5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
3) Kate saw 6 ducks in the park. How many legs did she see? a) 15                  b) 30                  c) 12                  d) 18	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
4) The European green lizard has one tail, five toes on its front legs and four on its rear legs. How many toes does the lizard have? a) 18                  b) 19                  c) 20                  d) 16	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
5) If <b>48</b> toffees are to be divided amongst <b>8</b> students. How many toffees will each child get? a) 6                  b) 5                  c) 8                  d) 10	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
6) How many <b>10</b> p coins are there in <b>70</b> p? a) 20                  b) 7                  c) 70                  d) 5	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
7) I am greater than <b>8</b> but less than <b>12</b> . I am an even number. Who am I? a) 9                  b) 11                  c) 10                  d) none of these	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
8) Amanda started reading a book at <b>3:00 PM</b> . She read the book for four hours. At what time did she finish reading? a) 5:00 PM          b) 9:00 PM          c) 8:00 PM          d) 7:00 PM	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>

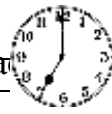
9) I am looking for a house **521**. Which way should I go?



<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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10) Tell the time in the adjoining clock.

- a) Left      b) right      c) forward      d) backward



<input type="radio"/>	<input type="radio"/>	<input type="radio"/>	<input type="radio"/>
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a) 12:00      b) 7:00      c) 8:00      d) 12:35

**SECTION-D**

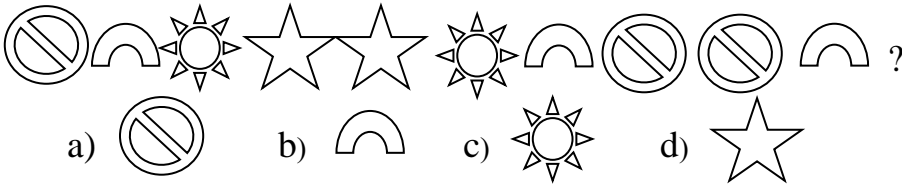
1) I am an odd number greater than **85** but less than **88**.

Who am I?

a) 87                  b) 86                  c) 84                  d) 83

2) Which shape comes next?



3) Fill in the missing numbers to get the result.

$$\begin{array}{r} \phantom{+} \phantom{0} 5 \\ + \phantom{0} \boxed{?} \boxed{?} \\ \hline \phantom{0} 9 \phantom{0} 3 \\ \hline \end{array}$$

a) 76                  b) 88                  c) 82                  d) 63

4) How many tens make **170**?

a) 10                  b) 17                  c) 70                  d) 27

5) Which sign is missing?

15  4 = 11

a) +                  b) -                  c) ×                  d) ÷