

# Titan Genius Kidz National Arithmetic Championship – 3

## Junior (6<sup>th</sup> & 7<sup>th</sup> Standard)

### Key Answers

(1) A -  $(454 \times 3) + 2$

(2) 18

(3) B – Multiply by 1, then multiply by 2, then multiply by 3, and so on

(4) 502

(5) C – 45 and 55 (Perimeter = Sum of all the sides:  $19+4+19+4=46$ )

(6) 2 (2 is both a prime number and even number)

(7) 42

(8) \$159.84 (20% off on \$9.99/sq m; Sale price=\$7.992

Total area of the living room= $4\text{m} \times 5\text{m}=20 \text{ sq m}$

Cost of carpet at sale price =  $\$7.992 \times 20 \text{ sq m} = \$159.84$ )

(9) The number plate on the truck had '2614'

(10) 23 years. The eldest is 25 years and the youngest is 21 years.

(11) B - <

(12) 155

(13) -2080

(14)  $-209 / 1000$

(15)  $-38/40$ ,  $-18/24$ ,  $13/20$

(16)  $1/5$  or 0.2

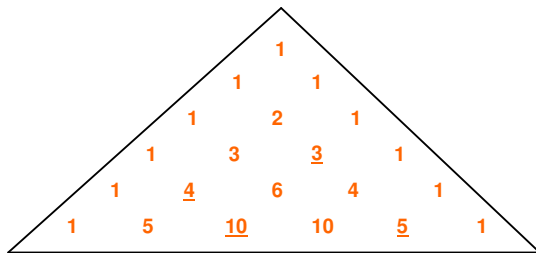
(17) 63 and 64 ( $63 + 64 = 127$ )

(18) Sum of the first 122 numbers is 410, 138<sup>th</sup> number is 2

(19)

15	<u>1</u>	<u>2</u>	12
<u>4</u>	10	9	<u>7</u>
<u>8</u>	<u>6</u>	<u>5</u>	11
3	<u>13</u>	<u>14</u>	0

(20)



(21)  $-7/9$

(22)  $D - \frac{1}{4} \times 32$

(23) 525.3

(24) 0.6875 or 0.5625

(25) 37

(26) Area of square D is 49 sq units, Area of square E is 1 sq unit

(27)  $D - 9 / 1000$

(28)  $A - 0.47 < 74 < 87.4$

(29) -109.94

(30)  $D - 81$

(31) 9 tables and 12 stools

(32) 19 miles

(33) 8

(34) 100

(35) 60

(36) C - 6 (16832)

(37) 802

(38) B - <

(39) A = 14, B = 15, C = 11, D = 17

(40)

4	9	9	11	6	12	15	8
3	5	2	3	4	7	9	3
1	4	7	8	2	5	6	5
3	20	14	24	8	35	54	15