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OLYMPIAD MOCK TEST



SERIES

Model Recurring Questions

MATHEMATICS

Class 5



Brain Mapping Academy



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**OLYMPIAD
MOCK TEST**

**2020
SERIES**

Model Recurring Questions

MATHEMATICS

Class 5



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#16-11-16/1/B, first floor, Farhath Hospital Road,
Saleem Nagar, Malakpet, Hyderabad-500036.

☎ 040-66135169, 65165169.

E-mail : info@bmatalent.com

Website : www.bmatalent.com



Brain Mapping Academy

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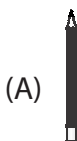
Fill the correct options here and finally in OMR response sheet.

- 1 Nandini set her pencil on the desk so that it was pointing to the right as shown.



Which of the following shows her pencil after she turned it by 180° ?

[]

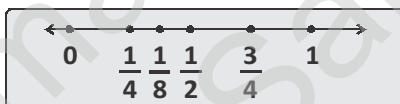


(D)



- 2 Which fraction represented on the number line is in a wrong place ?

[]



(A) $\frac{1}{2}$

(B) $\frac{1}{8}$

(C) $\frac{1}{4}$

(D) $\frac{3}{4}$

- 3 Area of a rectangle is 120 sq.m and the breadth is 5m. What is the length of the rectangle ?

[]

(A) 28 m

(B) 26 m

(C) 24 m

(D) 204 m

- 4 For which digit is the place value and face value always the same ?

[]

(A) 0

(B) 10

(C) Any digit

(D) 100

- 5 The height of the water level in a tank is 5 cm. It contains 625 cm^3 of water. Find its base area.

[]

(A) 81 cm^2

(B) 625 cm^2

(C) 125 cm^2

(D) 50 cm^2

6

The given table shows an incomplete bill of the items bought by Mary. She paid the shopkeeper ₹ 50.

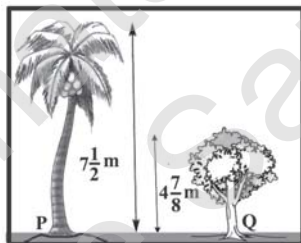
Quantity	Item	Price per kg	Price
1.5 kg	Biscuits	₹ 9.00	
4 kg	Beans	₹ 3.50	
1 kg	Cooking oil	₹ 4.80	

What else can she buy with the balance of the money ? []

- (A) 3 kg of biscuits
 (B) 5 kg of beans
 (C) 4 kg of cooking oil
 (D) 1 kg of biscuit and 2 kg of cooking oil

7

The figure shows the height of two trees P and Q.



How much taller, in m, is the tree P than the tree Q ? []

- (A) $3\frac{2}{3}$ (B) $2\frac{5}{8}$ (C) $2\frac{1}{4}$ (D) $1\frac{7}{8}$

8

What is the half of one-one hundredth ? []

- (A) 0.005 (B) 0.002 (C) 0.05 (D) 0.02

9

What is the L.C.M. of two co-prime numbers ? []

- (A) Their sum (B) Their difference
 (C) Their product (D) Their quotient

10 On what sum of money lent out at 9% per annum for 6 years does the simple interest amount to ₹ 810 ? []

- (A) ₹ 500 (B) ₹ 1,250 (C) ₹ 750 (D) ₹ 1,500

11 How many crores is 10 million? []

- (A) 10 (B) 1 (C) 5 (D) 100

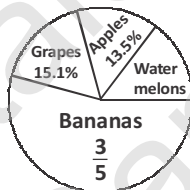
12 Which of the following is equivalent to the expression below? []

$$(6 \times 1) + (5 \times 0.01) + (8 \times 0.001)$$

- (A) 65.08 (B) 60.58 (C) 6.508 (D) 6.058

13 What percentage of fruits used are water-melons ? []

- (A) 21.4%
(B) 60%
(C) 12%
(D) 11.4%



14 What is the H.C.F. of 242, 484 and 363 ? []

- (A) $11 \times 2 \times 3$ (B) $11 \times 11 \times 2$
(C) 11×11 (D) 11

15 A boy runs at a speed of 8 m/s. How long does he take to cover a distance of 1 km ? []

- (A) 100 sec (B) 125 sec (C) 12.5 hr (D) 150 sec

16 The figure given is made up of 2 similar squares X and Y.



Find the perimeter of the figure, if the area of square X is 49 cm^2 . []

- (A) 14 cm (B) 42 cm (C) 7 cm (D) 21 cm

17 Which of the following statements is false ? []

- (A) The join of two points on a circle is its diameter.
 (B) A diameter of a circle passes through its centre.
 (C) A semicircle is an arc.
 (D) The length of a circle is called its circumference.

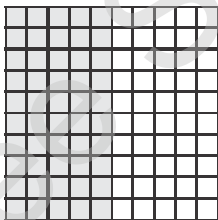
18 Mani opened a bottle containing 1 litre of juice. If she shared the juice equally with her sister Ankita, how many millilitres of juice will each get ? []

- (A) 20 millilitres (B) 50 millilitres
 (C) 200 millilitres (D) 500 millilitres

19 X's salary is 50% more than Y's. How much percent is Y's below X's? []

- (A) 50% (B) $33\frac{1}{3}\%$ (C) 75% (D) 25%

20 The given picture is shaded to represent a decimal number.



How many of the stars in the group below must be shaded to represent a fraction with the same value ? []



- (A) 5 (B) 6 (C) 8 (D) 10

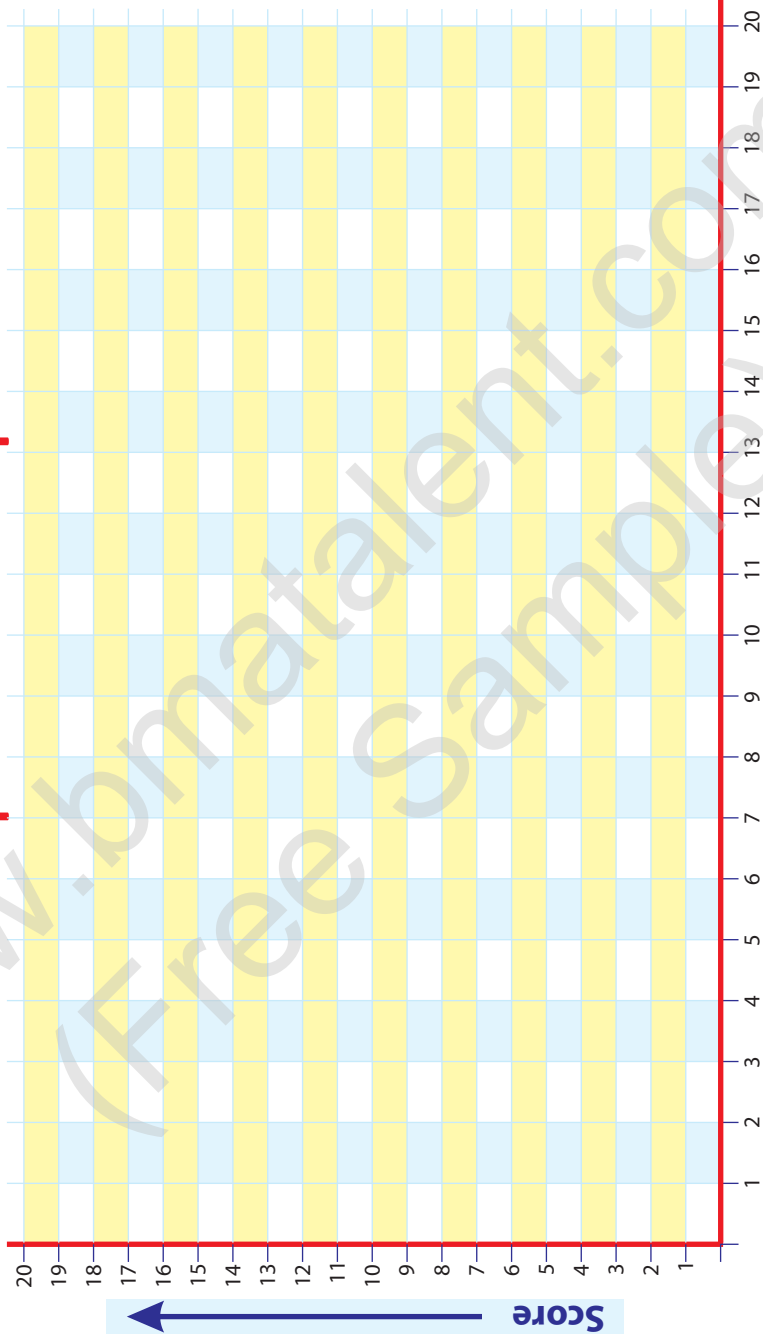
○ ○ ○

Chapters		Mock Test Number																				Total
		1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	
Arithmetic	Question Numbers																					
	9	2	2	2	8	3	3	3	3	3	10	3	2	3	3	13	10	4	3	2	11	
	16	15	11	16	15	16	11	9	19	15	17	11	16	12	16	16	8	6	9	19		
	20	19	16	17	20		19			19	20	20	20	19		20	20	11	11			
Geometry	1	10	1	1	7	2	2	2	2	2	1	2	10	2	2	2	2	7	2	10	2	
	18	17	18	18	17	18	10	12	10	17	10	18	18	13	18	18	15	9	19	10		
																				17		
Mensuration	3	4	4	4	3	5	5	5	5	3	1	4	5	5	5	3	4	3	16	6	4	
	11	11	17	10	16	11	14	11	7	5	8	14	11	7	5	11	10	17	13	12		
	17	16		12	19	17	17	16	12	16	18	17	17	11	10		14		18	16		
													17	17	17							
Measurement	5	6	10	6	5	7	7	7	13	6	6	6	7	9	7	7	6	6	8	5	6	
	13	13	14	11	11	13	16	17	15	7	13	16	13		12	13	12	10	15	15		
	19		19	14	18	19	20	18	16	18	19	19	19		19	19	19	18	20	18		
Data Handling	7	8	8	19	13	9	18	10	18	13	15	8	15	10	14	15	17	13	8	8		

Key

Test No.	Question Number																			
	1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20
1	C	C	A	D	D	B	A	A	A	C	D	C	B	A	B	B	D	C	C	C
2	B	D	A	A	C	B	C	B	D	B	A	B	B	D	B	B	D	B	A	A
3	C	D	B	A	B	B	B	D	C	B	A	D	B	C	D	C	A	D	D	C
4	A	B	C	C	D	B	C	C	D	D	A	B	C	D	B	B	C	D	B	A
5	C	B	C	C	A	C	A	A	A	B	D	A	B	D	D	C	D	D	D	A
6	A	C	C	C	A	A	C	D	C	D	C	D	A	A	A	D	C	A	C	C
7	D	C	C	C	A	B	A	D	C	C	C	B	C	B	C	B	B	D	A	B
8	C	C	C	A	C	C	D	A	A	C	B	D	A	B	D	D	A	B	B	B
9	D	D	A	A	C	C	B	B	B	D	D	C	B	B	D	C	D	D	B	D
10	B	C	C	A	C	B	B	A	C	D	B	D	D	C	B	B	A	D	B	A
11	D	C	C	B	C	A	A	A	D	B	D	B	C	A	B	A	C	B	C	A
12	B	C	C	A	B	A	A	C	C	B	D	C	D	A	C	C	C	A	C	C
13	A	B	D	B	A	C	B	A	D	B	D	D	A	B	D	B	A	B	B	D
14	C	B	A	D	C	C	B	B	C	A	B	D	A	C	D	D	B	B	B	B
15	B	C	B	A	C	D	B	C	B	D	B	C	B	C	B	B	D	A	C	D
16	D	D	D	C	C	B	A	A	C	A	A	C	A	D	C	D	D	C	D	D
17	B	B	C	A	D	A	C	B	D	C	D	C	D	A	A	D	C	C	C	A
18	D	A	C	D	A	B	C	A	C	A	C	A	B	C	C	B	B	B	D	D
19	A	B	D	B	D	A	B	D	D	B	D	B	B	D	B	D	B	B	B	B
20	B	C	C	B	D	B	D	B	C	D	A	B	A	B	B	D	A	C	B	A

Preparedness Graph





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