Classroom Based Assessment - 1 (2022-23)

UDISE Code: _____	Class-Subject: 7-Maths
Child ID: _____	No. of Questions: 19
Child Name: _____	Duration: 60 minutes

Section A: Multiple Choice Questions - Each question has 4 options out of which ONLY ONE option is correct. (15 x 1M = 15M)

1 What is the absolute value of the number -433?

A -433

B -430

C 430

D 433

2 (-8) ÷ (-2)=_____

A -4

B 4

C 6

D 10

3 Which of these is the same as {(-889) × 74} + {(-889) × 9}?

A (889) × (74 - 9)

B (-889) × (74 + 9)

C (-889) × 74 + 9

D (-889) × 74 × 9

4 If a , b , and c are any three positive integers, then which of the following is FALSE?

A $a \times (- b \times - c) = (a \times - b) \times (- c)$

B $(- a \times b) \times c = (-a) \times (b \times c)$

C $(a + b) + c = a + (b + c)$

D $a - (b - c) = (a - b) - c$

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5 Prakrit wants to stop eating junk food. He comes up with a novel idea to control eating junk food. He gives himself 5 points whenever he eats a healthy snack, and -8 points when he eats an unhealthy snack. One day he ate 2 healthy snacks and 4 unhealthy snacks. What was the total number of points that he got that day?

A -20

B -22

C -32

D -42

6 The product of 6 positive integers and 3 negative integers is

A positive as there are more positive integers.

B negative as there is an odd number of negative integers.

C positive as there is an even number of positive integers.

D We cannot say for sure, it depends on the numbers.

7 Look at the multiplication pattern below.

1 × (-1) × 2 × (-2) × 3 × (-3) × 4 × (-4).....

After which of these numbers could the pattern be stopped so that the resulting product is a positive number?

A - 9

B - 8

C 8

D 10

8 Given here is a famous number series called Fibonacci Sequence. Two of the numbers are missing in the sequence.

0,1,1, 2, 3, 5, 8, 13,___,___, 55, 89, 144.....

What can the two missing numbers be?

A 16, 21

B 18, 23

C 23, 25

D 21, 34

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9 In an exam, (+5) marks are awarded for each correct answer and (-3) marks are awarded for each wrong answer. For every unattempted question, zero marks are awarded.

If Ayesha scored (+75) marks for the questions she answered correctly and (-15) marks for the questions she answered wrong, how many answers did she get wrong?

A 3

B 5

C 15

D 45

10 - (-7) + (-8) =

A -15

B -1

C 1

D 15

11 What number is 20 less than (-25)?

A (-5)

B 5

C 45

D (-45)

12 Esther, Jaya, Hina and Farida throw at the basket in the basketball court. They each get 5 points for every basket they score and lose 4 points for every basket they miss. The number of 'baskets' and 'misses' of the 4 girls is shown in the table below.

Name	No of basket scored	No of basket missed
Esther	5	3
Jaya	3	0
Hina	6	6
Farida	6	3

Who earned the maximum number of points?

A Esther

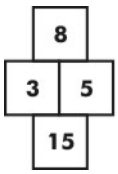
B Jaya

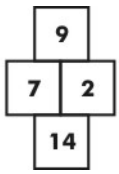
C Hina

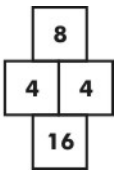
D Farida

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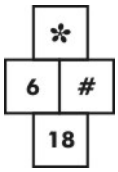
13 The numbers in each of the following crosses form a certain common pattern.







Which numbers should replace * and # in the cross shown below?



A 9, 24

B 9, 3

C 30, 24

D 18, 6

14 Of the four expressions given below, which one will give the same answer with or without the brackets?

(Note: You need not evaluate the expressions.)

A 16 + (4 ÷ 2)

B 16 × (4 - 2)

C 16 × (4 + 2)

D 16 ÷ (4 × 2)

15 A building has 7 floors above the ground level and 3 floors below the ground level. The floor at the ground level is denoted by 0 and the floor just above the one at the ground level is denoted by 1.

The 2nd floor BELOW the ground level will be denoted by _____.

A -3

B -2

C 2

D 3

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Section B: Answer the following questions in your answer sheets. (3 x 1M = 3M)

16 Fill in the blank.

The sum of k and 7 is 0. The value of k is ____.

17 State whether the given statement is True or False. _____

a, b and c are integers such that a < b and c is negative.
Then, ac < bc.

18 Varsha solved the expression below using order of operations as shown.
[8 + 2 x 4] - 4 ÷ 2
= [8 + 8] - 4 ÷ 2 (step 1)
= 16 - 4 ÷ 2 (step 2)
= 12 ÷ 2 (step 3)
= 6 (answer)
Is her answer correct or wrong? Give a valid reason.

Section C: Answer the following question in your answer sheet. (1 x 2M = 2M)

19 Kiara and Hania are arranging their books on the floor. Kiara makes 3 rows of 8 books each. Hania makes 8 rows of 3 books each.

i) Write the expression for the total number of books each of them have arranged.
ii) Without calculating, check if they have arranged the same number of books. Give a valid reason.

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Class	Subject	
7	Mathematics	
Question	Subject	Answer Key
1	Mathematics	D
2	Mathematics	B
3	Mathematics	B
4	Mathematics	D
5	Mathematics	B
6	Mathematics	B
7	Mathematics	B
8	Mathematics	D
9	Mathematics	B
10	Mathematics	B
11	Mathematics	D
12	Mathematics	D
13	Mathematics	B
14	Mathematics	A
15	Mathematics	B
16	Mathematics	Award 1 mark if they fill in the blank with -7. Any other answer 0.
17	Mathematics	Award 1 mark if they write False(F) Any other answer 0
18	Mathematics	Award 1 mark if they write that her answer is wrong and gives a reason that in step 3, division should have been done before subtraction as per BODMAS. Award 0.5 marks if they answer only correct or wrong and do not give reason 21 Any other answer 0
19	Mathematics	One mark each if i) Writes the expression for the number of books each of them have arranged as (3 × 8) or (8 × 3). ii) Writes that they have arranged the same number of books and gives a valid reason. For example, multiplication is closed under commutativity and hence, (3 × 8) = (8 × 3). i) 0.5 mark for Kiara is (3 x 8) and 0.25 mark for Hania is also (3 x 8) or 0.25 mark if Kiara (8 x 3) and 0.5 mark if Hania is (8 x 3) totaling to 0.75 and ii) one mark if student writes that they have arranged the same number of books and gives a valid reason. For example, multiplication is closed under commutativity and hence, (3 × 8) = (8 × 3).

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