J-PAL
ABDUL LATIF JAMEEL POVERTY ACTION LAB

MATH ASSESSMENT (ENDLINE – GRADES 6-7)
Learning Lab RCT #0
Abdul Latif Jameel Poverty Action Lab (J-PAL) South Asia

1. **School ID:** _____

2. **Student ID:** _____

3. **Grade:**
   a. Grade 6
   b. Grade 7

4. **Section:**
   a. A
   b. B

5. **Date (dd/mm/yy):** ____/____/____

1. **243 + 176 = _____**
   a. 419
   b. 67
   c. 70
   d. 914

2. **48 × 5 = _____**
   a. 200
   b. 240
   c. 420
   d. 500

3. **27 ÷ 3 = _____**
   a. 9
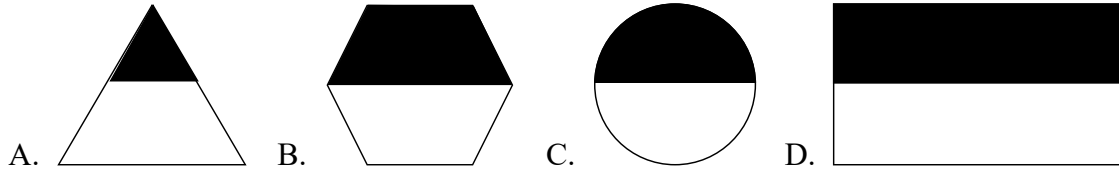   b. 3
   c. 24
   d. 30

4. **49 – 28 = _____**
   a. 77
   b. 21
   c. 19
   d. 20

5. **18.23 – 0.2 = _____**
   e. 18.21
   f. 12.23
   g. 18.30
   h. 18.03

6. **5,631 + 286 =**
   a. 5,917
   b. 5,971
   c. 297,631
   d. 5.971
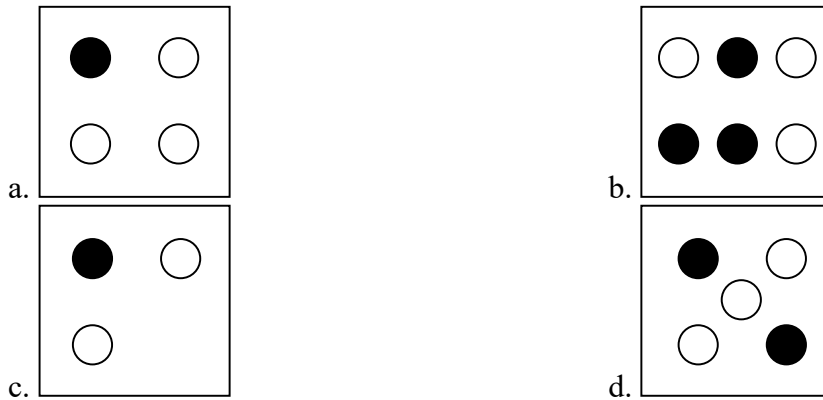
7. **35,678 – 29,142 =**
   a. 16,536
   b. 64,820
   c. 54,736
   d. 6,536

8. **Look at the following figures. Which one is shaded less than half?**
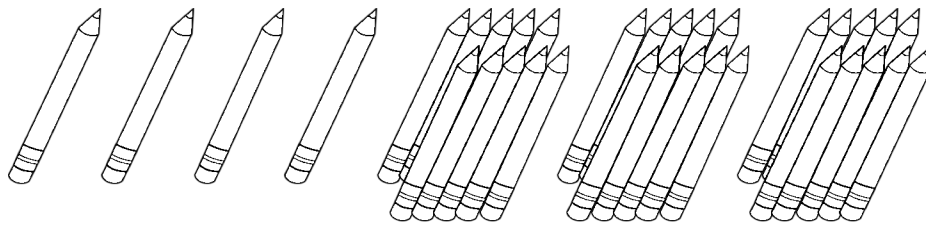
A.   B.   C.   D.

    a. A
    b. B
    c. C
    d. D

9. **In which figure are <u>one-half</u> of the dots black?**

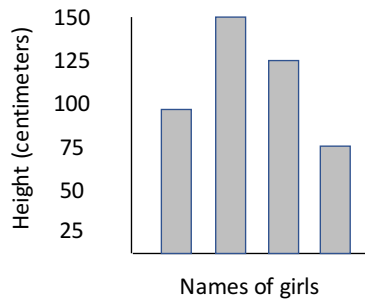a.   b.

c.   d.

10. **In the picture below, there are some loose pencils and there are some pencils in bundles. Each bundle has 10 pencils.**

How many pencils are there in all the picture?
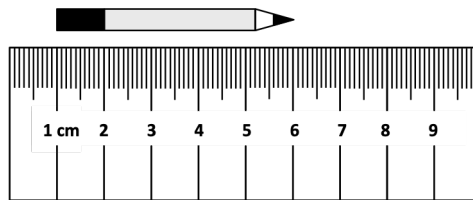   a. 7
    b. 34
    c. 30
    d. 19

11. The graph shows the heights of four girls:

The names are missing from the graph. Anuja is the tallest. Rashmi is the shortest. Roshni is taller than Urmi. How tall is Urmi?
   a. 75 cm
   b. 100 cm
   c. 125 cm
   d. 150 cm

12. The length of the pencil is _____ .

   a. 4 cm
   b. 5 cm
   c. 6 cm
   d. 7 cm

13. Shaheen has 2 pencil boxes. Each box has 5 pencils. How will you find the total number of pencils in the two pencil boxes?
   a. $2 + 5$
   b. $5 - 2$
   c. 2×5
   d. $2 + 2$

14. What is 769 ÷ 6, rounded to two decimal places?
   a. 126.33
   b. 123.67
   c. 128.17
   d. 127.83

15. This chart shows temperature readings made at different times on four days.

Temperatures					
	6 a.m.	9 a.m.	Noon	3 p.m.	8 p.m.
Monday	15°	17°	20°	21°	19°
Tuesday	15°	15°	15°	15°	9°
Wednesday	8°	10°	14°	14°	15°
Thursday	8°	11°	14°	14°	20°

When was the highest temperature recorded?
 a. Noon on Monday
 b. 3 p.m. on Monday
 c. Noon on Tuesday
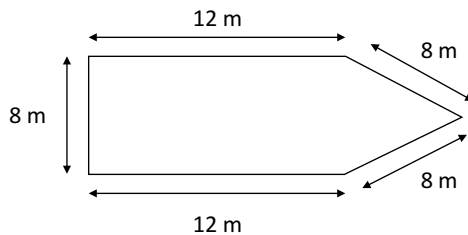 d. 3 p.m. on Wednesday

16. $64 \div ❖ = ❖$.

In this equation, ❖ stands for the same number. What does ❖ stand for?
 a. 4
 b. 8
 c. 16
 d. 32

17. Three boys went to a market. They spent 5 Rupees each. How much did the three boys spend in total?
 a. 5
 b. 10
 c. 20
 d. 15

18. Karthik wants to build a fence around his land, which looks as follows:

How many meters of fence does he need?
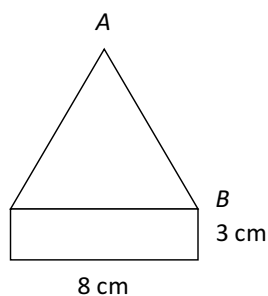
 a. 20 meters
 b. 24 meters
 c. 48 meters
 d. 96 meters

19. Here is a calendar for the month of December.

December						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

Santosh's birthday is on Thursday, December 2. He is going on a trip exactly 3 weeks later. On what day will he go on the trip?
 a. December 16th
 b. December 21st
 c. December 23rd
 d. December 30th

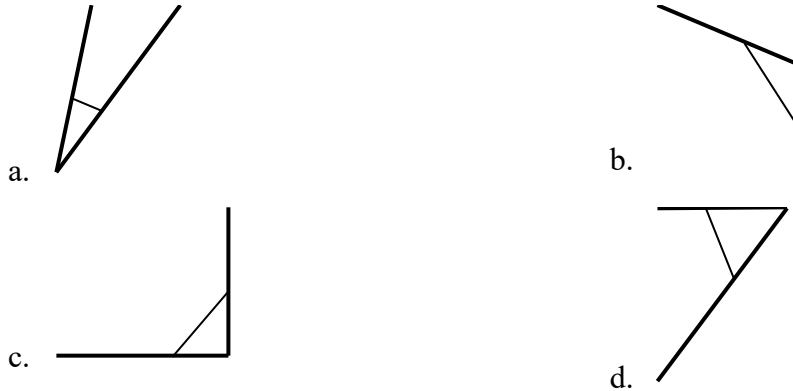**20. The figure below is made from a rectangle and a triangle with three equal sides.**

A

B
3 cm

8 cm

What is the length, in centimeters, of side *AB*?
 a. 8
 b. 9
 c. 10
 d. 11

21. Which shows $\frac{2}{3}$ of the square shaded?

a.

b.

c.

d.

22. Which angle has the greatest degree measure?

a.

b.

c.

d.

23. What is the total bill amount?

Kamal Stationery			
24, Ghandi Road, Ahmedabad			
Goods	Price	Qty.	Amount
Rubber	2.00	5	10.00
Ruler	1.50	1	1.50
Pencil	3.00	1	3.00
Chalk box	15.00	1	15.00
		Total Rs.	?
		For, Kamal Stationery	

a. Rs. 10.00
b. Rs. 21.50
c. Rs. 29.00
d. Rs. 29.50

24. All of the pupils in the class cut out paper shapes. The teacher picked one out and said "This shape is a triangle". Which of these statements must be true?

    a. The shape has three sides
    b. The shape has a right angle
    c. The shape has equal sides
    d. The shape has equal angles

25. Raghav is painting one side of a fence. The fence is 4 meters long and 3 meters high.

What is the area that Raghav has to paint?

    a. 4 square meters
    b. 7 square meters
    c. 12 square meters
    d. 14 square meters

26. It takes Diksha 4 minutes to wash a window. She wants to know how many minutes it will take her to wash 8 windows at this rate. She should:

    a. multiply 4×8
    b. divide 8 by 4
    c. subtract 4 from 8
    d. add 8 and 4

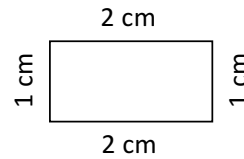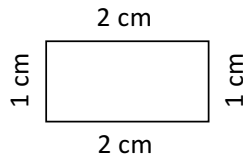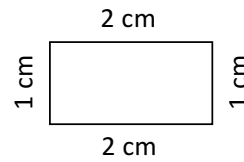**27. Arrange these fractions in ascending order (from smallest to largest).**

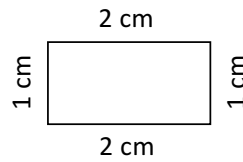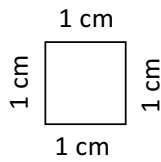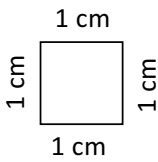$$\frac{3}{8}, \frac{5}{16}, \frac{5}{8}$$

    a. $\frac{3}{8}, \frac{5}{8}, \frac{5}{16}$

    b. $\frac{5}{16}, \frac{5}{8}, \frac{3}{8}$

    c. $\frac{5}{16}, \frac{3}{8}, \frac{5}{8}$
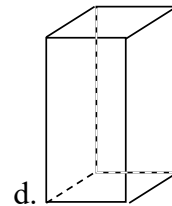
    d. $\frac{3}{8}, \frac{5}{16}, \frac{5}{8}$
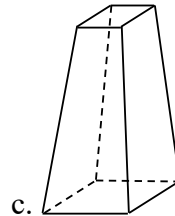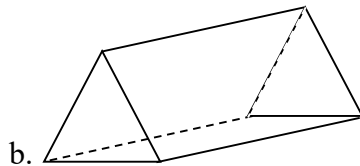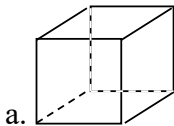
28. $\frac{9}{8} \times \frac{2}{3} =$

    a. $\frac{3}{4}$

    b. $\frac{18}{21}$

    c. $\frac{19}{24}$
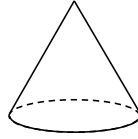
    d. $\frac{27}{16}$

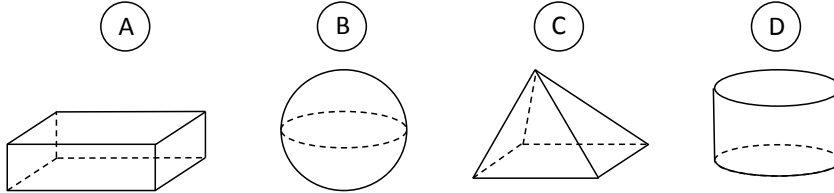**29. Shobhini has six pieces of cardboard, which look as follows:**

    Which of the following shapes could Shobhini put together using all of her pieces of cardboard and without having to cut any of them?

30. Here is a cone. Part of its surface is flat and part of its surface is curved.

Which of these solids also has a flat surface and a curved surface?

A	B	C	D

31. Write the answer.

$$2\frac{1}{2} + 1\frac{1}{2} \quad = \quad \boxed{}$$

a. $3\frac{2}{4}$

b. 3

c. $3\frac{1}{2}$

d. 4

32. See the pattern of numbers in the number chart below:

	Column 1	Column 2	Column 3	Column 4	Column 5
Row 1	4	8	12	16	20
Row 2	24	28	32	36	40
Row 3	44	48	52	56	60
Row 4	64	68	72	76	80
Row 5					

Which of these is the correct way of finding the number that will appear just below 64 in column 1?

a. adding 1 to 64

b. adding 4 to 64

c. adding 20 to 64

d. adding 44 to 64

33. A table showing the details and features of various models of TV that a company manufactures is shown below.

Model	Features				Price (in Rs)
	Flat screen	Auto programming	Full function remote	Stereo sound system	
A	X	X	X	X	15,700
B	X	X	X		14,299
C		X	X	X	14,689
D		X			12,899

Mrs. Shastri wants to buy a <u>TV and a voltage stabilizer</u> within a budget of Rs. 15,000. The features which he wants his TV to have are a "full function remote" and "stereo sound system". A stabilizer costs Rs. 300.

Which model should she buy?

   a. model A
   b. model B
   c. model C
   d. model D

34. If the pattern 3, 6, 9, 12 was continued, which of these numbers would be one of the numbers in the pattern?
   a. 26
   b. 27
   c. 28
   d. 29

35. Ruchika and Sharanya are answering a paper containing 100 very simple questions. For each 5 correct answers, one gets a chocolate. As per the rule and the results, Ruchika got 15 chocolates and Sharanya got 10 chocolates.

Which of the following is true?

   a. Ruchika got 5 more questions right than Sharanya
   b. Ruchika got 10 more questions right than Sharanya
   c. Ruchika got 25 more questions right than Sharanya
   d. Ruchika got 1 more question right than Sharanya