

MATH ASSESSMENT (ENDLINE PILOT – GRADES 6-8)

Learning Lab RCT #1

Abdul Latif Jameel Poverty Action Lab (J-PAL) South Asia

1. **School ID:** _____

2. **Student ID:** _____

3. **Grade:**

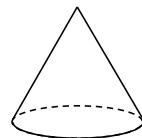
- a. Grade 4
- b. Grade 5
- c. Grade 6
- d. Grade 7

4. **Section:**

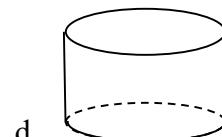
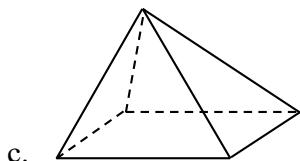
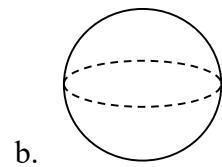
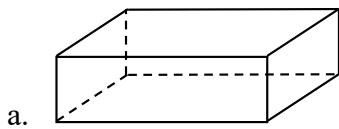
- a. A
- b. B

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

1. 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?



2. $18.23 - 0.2 =$ _____

- a. 18.21
- b. 12.23
- c. 18.30
- d. 18.03

3. $27 \div 3 =$

- a. 9
- b. 3
- c. 24
- d. 30

4. $52 - 7 =$

- a. 59
- b. 25
- c. 45
- d. 364

5. $48 \times 5 =$

- a. 200

- b. 240
- c. 420
- d. 500

6. $243 + 176 =$

- a. 419
- b. 67
- c. 70
- d. 914

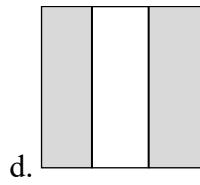
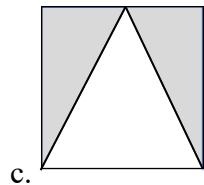
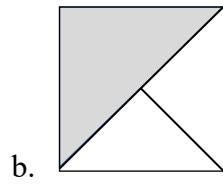
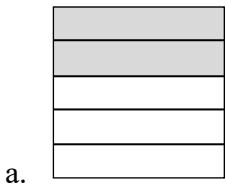
7. **What is 25% of 200?**

- a. 25
- b. 50
- c. 100
- d. 18.30

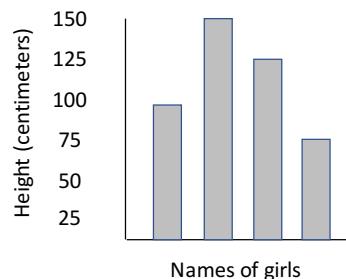
8. $\frac{9}{8} \times \frac{2}{3} =$

- a. $\frac{3}{4}$
- b. $\frac{18}{21}$
- c. $\frac{19}{24}$
- d. $\frac{27}{16}$

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



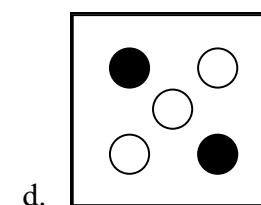
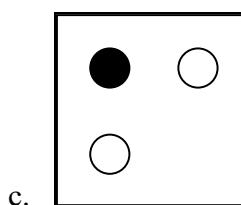
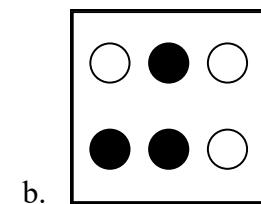
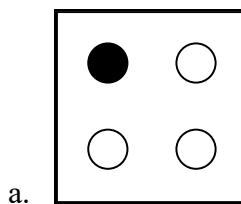
10. The graph shows the heights of four girls:



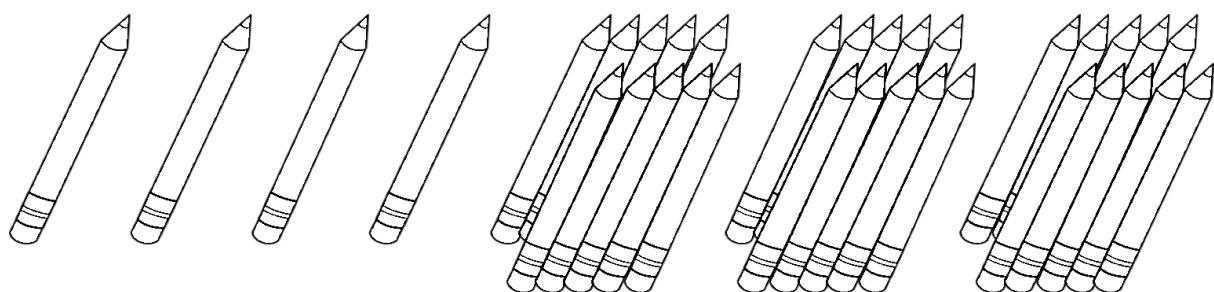
The names are missing from the graph. Anuja is the tallest. Rashmi is the shortest. Roshni is taller than Urmi. How tall is Urmi?

- a. 75 cm
- b. 100 cm
- c. 125 cm
- d. 150 cm

11. In which figure are one-half of the dots black?



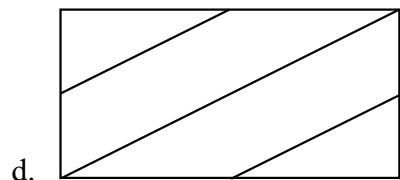
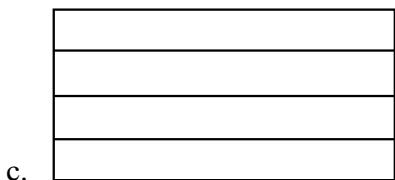
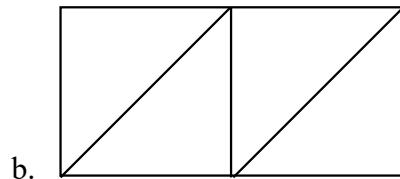
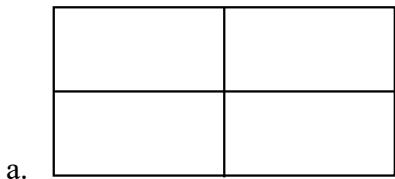
12. In the picture below, there are some loose pencils and there are some pencils in bundles. Each bundle has 10 pencils.



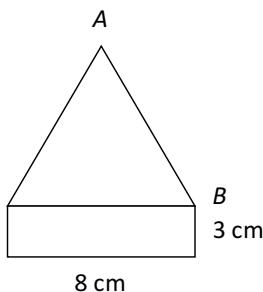
How many pencils are there in all the picture?

- a. 7
- b. 34
- c. 30
- d. 19

13. Which rectangle is NOT divided into 4 equal parts?



14.



The figure above is made from a rectangle and a triangle with three equal sides. What is the length, in centimeters, of side AB ?

- a. 8
- b. 9
- c. 10
- d. 11

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. $64 \div \diamond = \diamond$.

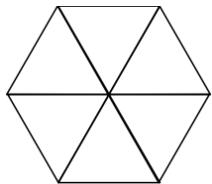
In this equation, \diamond stands for the same number. What does \diamond stand for?

- 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. Rs. 5
- b. Rs. 10
- c. Rs. 20
- d. Rs. 15

18. The hexagon below is divided into six _____.



- a. Triangles
- b. Squares
- c. Pentagons
- d. Rectangles

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

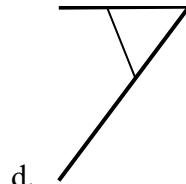
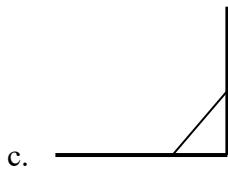
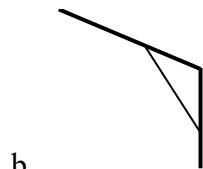
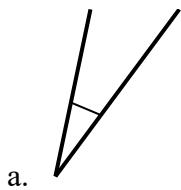
December						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18

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. Which angle has the greatest degree measure?



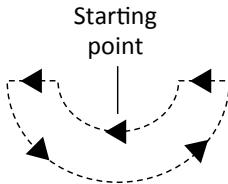
21. What is the total bill amount?

Kamal Stationery 24, Gandhi Road, Ahmedabad			
Goods	Price (Rs)	Qty.	Amount (Rs)
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

22. An ant starts at a point on this shape, walks along the boundary and comes back to the starting point. It does not turn back at any time.



Which of the following is the same as the distance walked by the ant?

- a. the length of the ant
- b. the perimeter of the shape
- c. the area enclosed by the shape
- d. the length of the horizontal lines in the shape

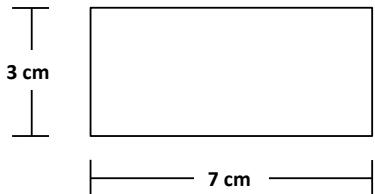
23. It takes Diksha 4 minutes to wash a window. She wants to know how many minutes it will take her to wash 8 windows at this rate. She should:

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

24. The scale on a map indicates that 1 centimeter on the map represents 4 kilometers on the land. The distance between two towns on the map is 8 centimeters. How many kilometers apart are the two towns?

- a. 2
- b. 8
- c. 16
- d. 32

25. What is the perimeter of this rectangle?



- a. 7 cm
- b. 10 cm

- c. 20 cm
- d. 21 cm

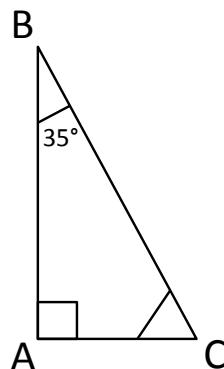
26. In the table below,  stands for 4 children.

Flavor	Number of children
Vanilla	  
Chocolate	
Strawberry	 
Lemon	   

How many children chose vanilla as their favorite flavor?

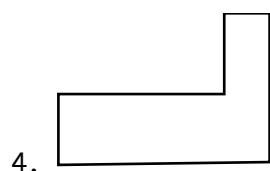
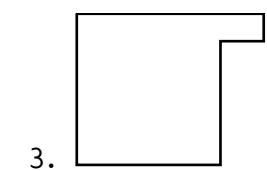
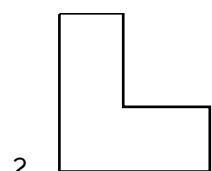
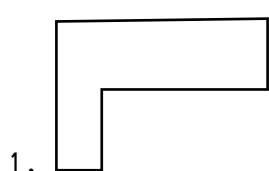
- a. 3
- b. 4
- c. 12
- d. 9

27. What is the measure of angle C in the triangle below?



- a. 45°
- b. 55°
- c. 65°
- d. 145°

28. Figures that are the same size and shape are called congruent figures:



Which two figures are congruent?

- a. 1 and 2
- b. 1 and 3
- c. 1 and 4
- d. 3 and 4

29. $5,631 + 286 =$

- a. 5,917
- b. 5,971
- c. 297,631
- d. 5.971

30. $35,678 - 29,142 =$

- a. 16,536
- b. 64,820
- c. 54,736
- d. 6,536

31. 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. $2 + 2$

32. What is $769 \div 6$, rounded to two decimal places?

- a. 126.33
- b. 123.67
- c. 128.17
- d. 127.83

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 TV and a voltage stabilizer 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