

## EMPLACE COLLEGE

### JSS1 Entrance Exam Practice Questions

#### MATHEMATICS

1. Write in figures: One million, twenty thousand and seventeen.

(a) 1,020,017  
(b) 10,020,017  
(c) 12,001  
(d) 102,007  
(e) 100,017

2. Divide 420.63 by 21

A. 2.003  
B. 2.03  
C. 2.3  
D. 20.03  
E. 20.03

3. What is the difference between 23 and 0.33

A. 24.3  
B. 23.23  
C. 23.13  
D. 22.67  
E. 22.33

4. Simplify  $7 \times 8.06 - 5 \times 8.06$

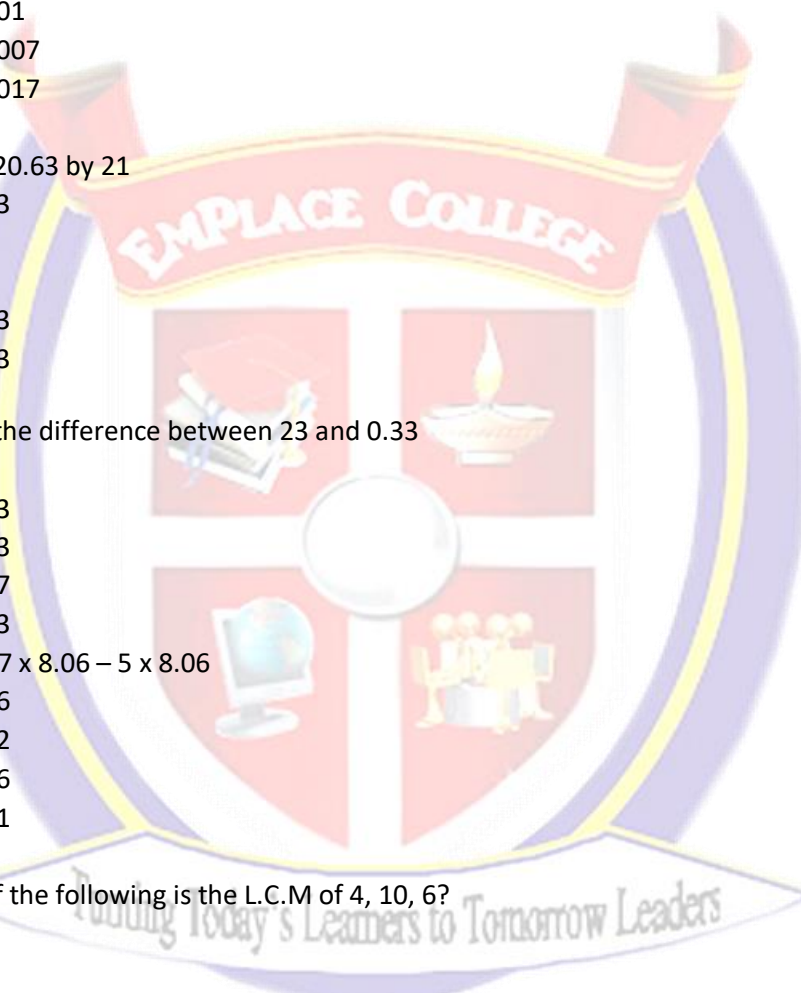
A. 16.06  
B. 16.12  
C. 16.16  
D. 16.21  
E. 17.2

5. Which of the following is the L.C.M of 4, 10, 6?

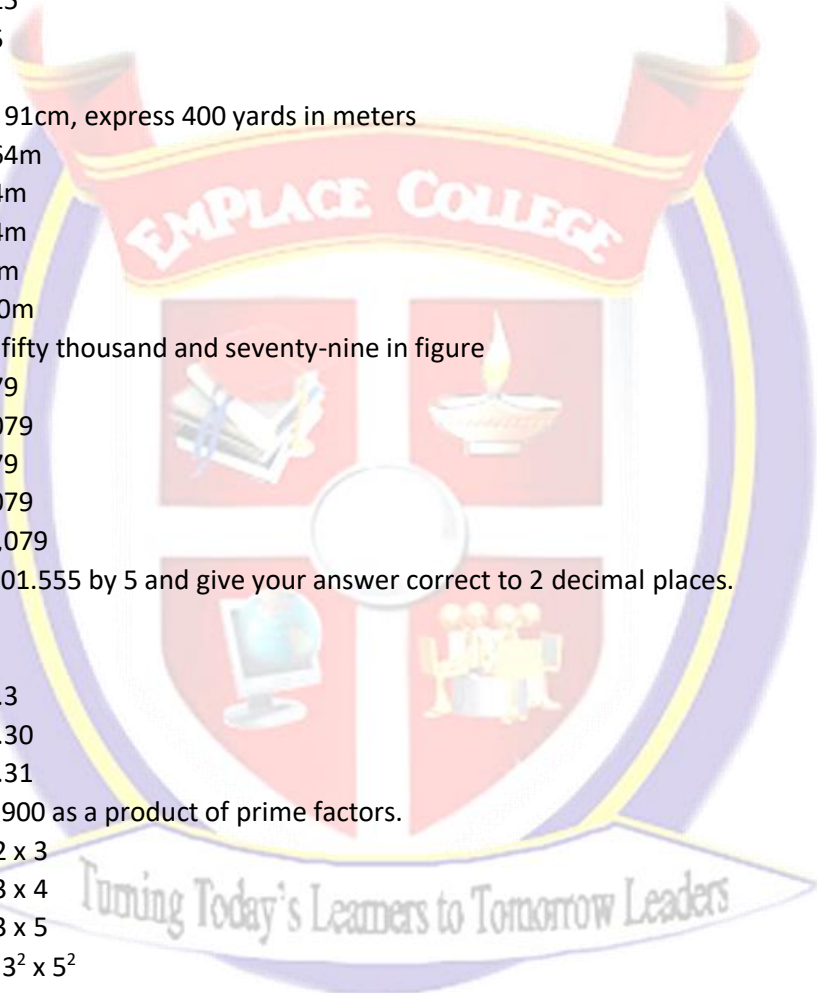
A. 2  
B. 30  
C. 60  
D. 20  
E. 240

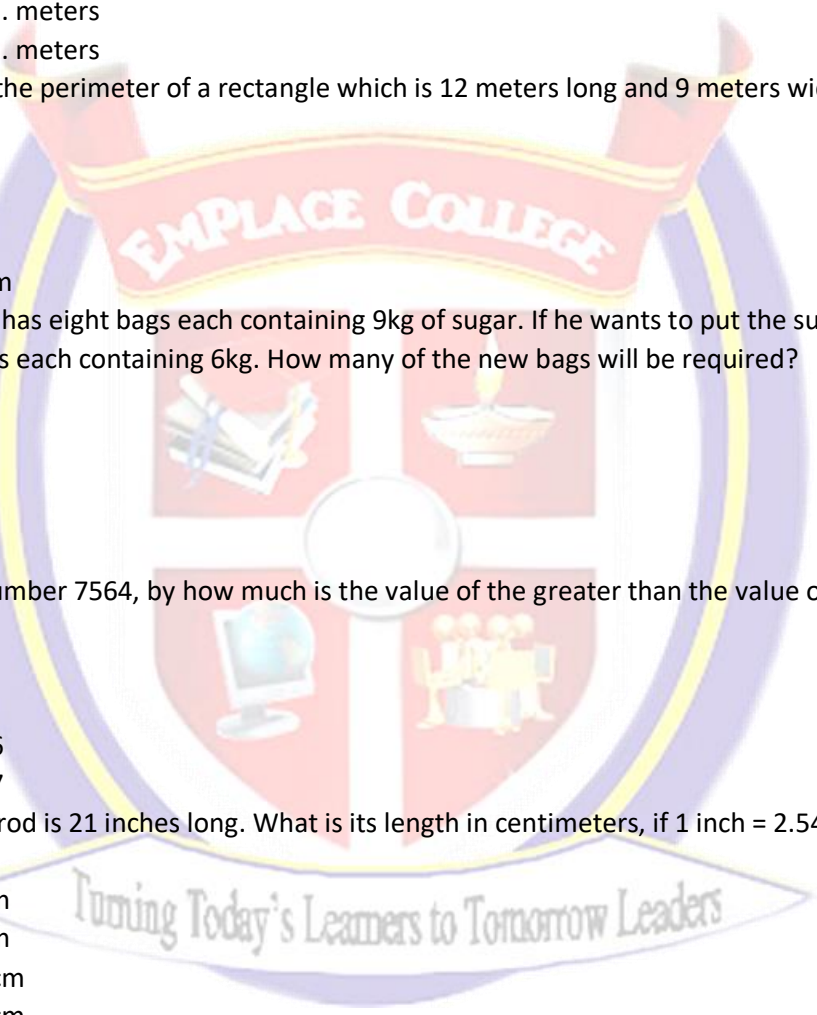
6. Express 18 in roman numerals

A. XIIV  
B. XVII  
C. XVIII  
D. XIIIV  
E. XIII



7. Multiply 0.025 by 1.8
- A. 0.00045
  - B. 0.00450
  - C. 0.0450
  - D. 0.450
  - E. 4.50
8. Express  $1\frac{1}{2}$  as a decimal of 10
- A. 0.8
  - B. 0.08
  - C. 0.015
  - D. 0.15
  - E. 1.5
9. If 1 yd = 91cm, express 400 yards in meters
- A. 0.364m
  - B. 3.64m
  - C. 36.4m
  - D. 364m
  - E. 3640m
10. Express fifty thousand and seventy-nine in figure
- A. 5,079
  - B. 50,079
  - C. 5,079
  - D. 50,079
  - E. 500,079
11. Divide 501.555 by 5 and give your answer correct to 2 decimal places.
- A. 10
  - B. 100
  - C. 100.3
  - D. 100.30
  - E. 100.31
12. Express 900 as a product of prime factors.
- A.  $1 \times 2 \times 3$
  - B.  $2 \times 3 \times 4$
  - C.  $1 \times 3 \times 5$
  - D.  $2^2 \times 3^2 \times 5^2$
  - E.  $3 \times 4 \times 5$
13.  $50.32 \times 0.003 =$
- A. 0.01596
  - B. 0.15096
  - C. 0.15396
  - D. 15.096
  - E. 15.396
14. The side of a cube is 2cm. What is the volume of the cube?
- A. 2cu.cm



- B. 4cu.cm  
C. 6cu.cm  
D. 8cu.cm  
E. 10cu.cm
15. A rectangular plot, 72 meters long and 20 meters wide on a school farm is divided into 18 equal plots. What is the area of each plot?
- A. 4sq. meters  
B. 5sq. meters  
C. 8sq. meters  
D. 64sq. meters  
E. 80sq. meters
16. What is the perimeter of a rectangle which is 12 meters long and 9 meters wide?
- A. 21m  
B. 42m  
C. 54m  
D. 84m  
E. 108m
17. A trader has eight bags each containing 9kg of sugar. If he wants to put the sugar into the new bags each containing 6kg. How many of the new bags will be required?
- A. 7  
B. 10  
C. 12  
D. 18  
E. 54
18. In the number 7564, by how much is the value of the greater than the value of the 4?
- A. 3  
B. 56  
C. 756  
D. 6996  
E. 7557
19. A metal rod is 21 inches long. What is its length in centimeters, if 1 inch = 2.54cm.
- A. 8cm  
B. 53cm  
C. 76cm  
D. 533cm  
E. 762cm
20. Divide  $4^{1/2}$  by  $3^{3/8}$
- A. 12  
B. 9  
C. 8  
D.  $\frac{3}{4}$   
E.  $\frac{2}{3}$
21. A room is 12m long, 7m wide and 4m high. Find the area of the ceiling.
- A.  $152\text{m}^2$
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- B.  $84\text{m}^2$
- C.  $48\text{m}^2$
- D.  $28\text{m}^2$
- E.  $23\text{m}^2$

22. Multiply 3.02 by 2.7

- A. 9.154
- B. 8.174
- C. 8.164
- D. 8.154
- E. 8.144

23. What is the H.C. F of 45, 60, 150?

- A. 20
- B. 15
- C. 12
- D. 10
- E. 9

24. Evaluate  $(0.7 - 0.3)(0.7 + 0.3)$

- A. 4.0
- B. 2.1
- C. 1.0
- D. 0.40
- E. 0.04

25. If  $p = 2$ ,  $r = 3$  and  $s = 6$ , find the value of  $2p + r + s$ .

- A. 13
- B. 11
- C. 10
- D. 9
- E. 7

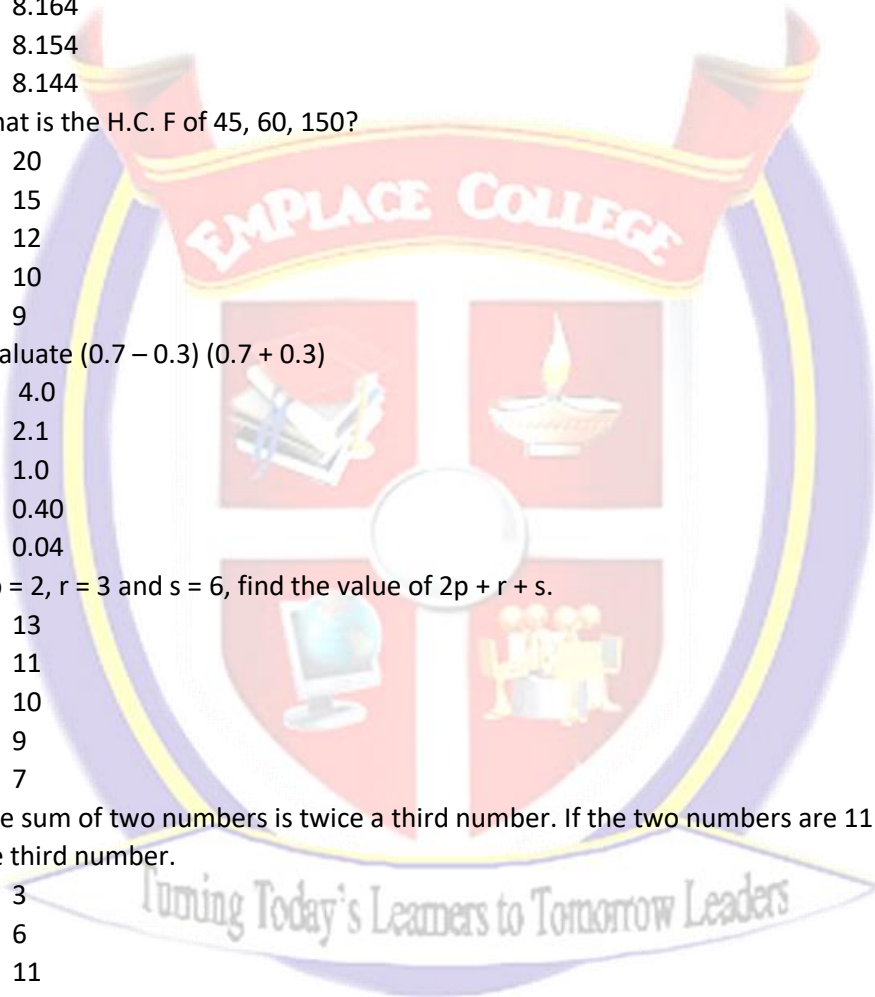
26. The sum of two numbers is twice a third number. If the two numbers are 11 and 17, find the third number.

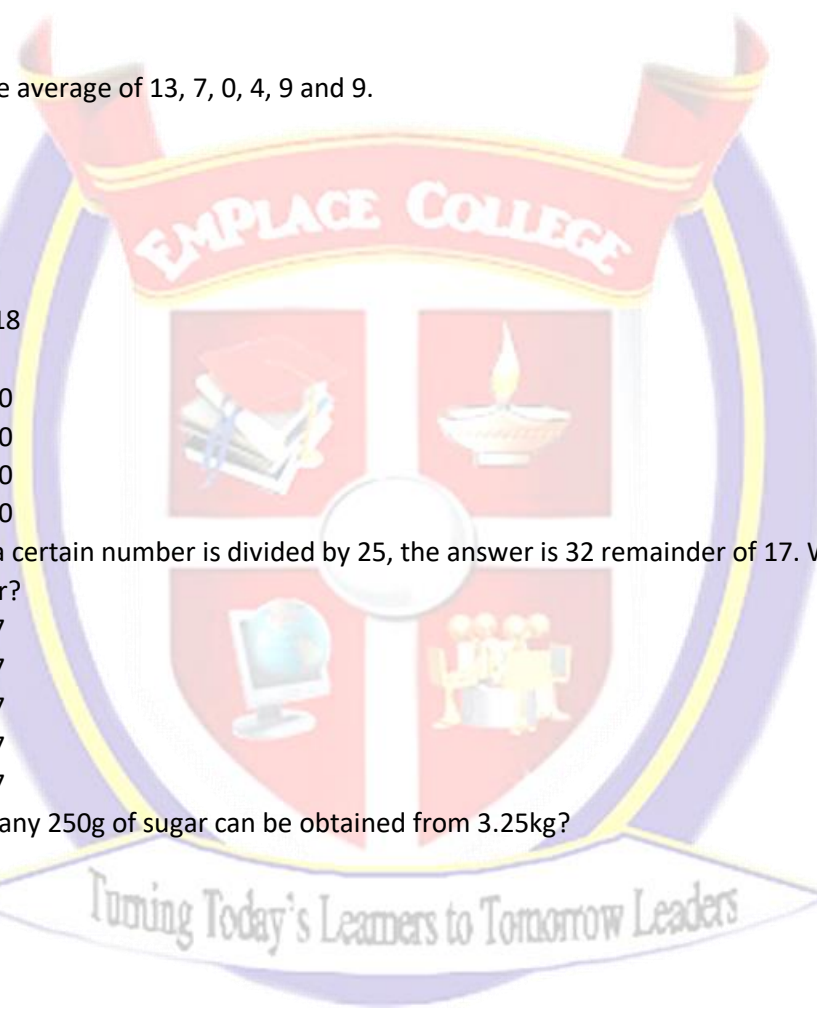
- A. 3
- B. 6
- C. 11
- D. 14
- E. 17

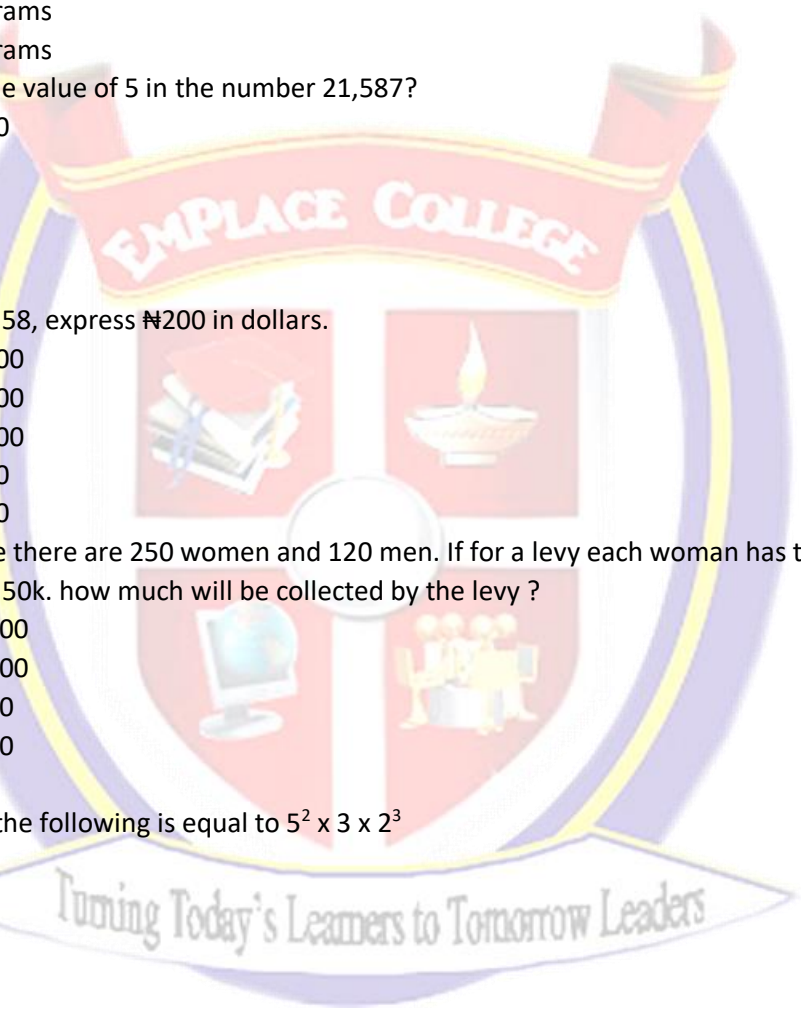
27. How many hours are there in 4 days and 17 hrs?

- A. 117 hrs
- B. 113 hrs
- C. 103 hrs
- D. 98 hrs
- E. 93 hrs

28. What is the smallest number that can be divided exactly by 3, 7 and 9?



- A. 126  
B. 63  
C. 9  
D. 7  
E. 3
29. How many 40k can we get in ₦6.00  
A. 5  
B. 10  
C. 15  
D. 20  
E. 25
30. Find the average of 13, 7, 0, 4, 9 and 9.  
A. 3  
B. 7  
C. 11  
D. 12  
E. 17
31.  $14.40/18$   
A. 0.0  
B. 0.60  
C. 0.80  
D. 8.00  
E. 9.00
32. When a certain number is divided by 25, the answer is 32 remainder of 17. What is the number?  
A. 857  
B. 847  
C. 837  
D. 827  
E. 817
33. How many 250g of sugar can be obtained from 3.25kg?  
A. 25  
B. 13  
C. 12  
D. 10  
E. 3
34. Find the average of 15, 26, 10, 19 and 15.  
A. 85  
B. 42.5  
C. 18  
D. 17  
E. 15
35. Find the product of the place values of 9 in both 91 and 0.09  
A. 0.081
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- The logo of Emplace College is a circular emblem with a purple outer ring and a yellow inner ring. At the top, a red banner with white text reads "EMPLACE COLLEGE". The center of the logo is a shield divided into four quadrants by a white cross. The top-left quadrant shows a stack of books with a red bookmark. The top-right quadrant shows a lit oil lamp. The bottom-left quadrant shows a computer monitor displaying a globe. The bottom-right quadrant shows a group of four people sitting around a table. Below the shield, a white banner with purple text reads "Turning Today's Learners to Tomorrow Leaders".

- B. 0.81  
C. 8.1  
D. 81  
E. 81.0
36. Change 0.55kg to grams  
A. 5.5 grams  
B. 55 grams  
C. 500 grams  
D. 550 grams  
E. 555 grams
37. What is the value of 5 in the number 21,587?  
A. 50,000  
B. 5,000  
C. 500  
D. 50  
E. 5
38. If ₦1 = \$1.58, express ₦200 in dollars.  
A. \$316.00  
B. \$306.00  
C. \$158.00  
D. \$32.00  
E. \$31.60
39. In a village there are 250 women and 120 men. If for a levy each woman has to pay 30k and each man 50k. how much will be collected by the levy ?  
A. ₦296.00  
B. ₦135.00  
C. ₦29.60  
D. ₦13.50  
E. ₦9.00
40. Which of the following is equal to  $5^2 \times 3 \times 2^3$   
A. 155  
B. 984  
C. 605  
D. 600  
E. 532
41. What is the ratio of 12mins in 1 hour?  
A. 1:5  
B. 1:6  
C. 1:14  
D. 12:5
42. Convert 0.0025 to decimal fraction  
A.  $\frac{1}{4}$   
B.  $\frac{1}{40}$
- 



- C.  $\frac{1}{400}$   
D.  $\frac{1}{4000}$
43. A square has how many line if symmetry?  
A. 2  
B. 4  
C. 3  
D. 1
44. The prime numbers of 30 and 40 are  
A. 31,33  
B. 33,35  
C. 31,37  
D. 37,39
45. Calculate the are of triangle whose height is 8cm and base is 6cm  
A.  $40\text{cm}^2$   
B.  $50\text{cm}^2$   
C.  $65\text{cm}^2$   
D.  $14\text{cm}^2$   
E.  $20\text{cm}^2$
46. If 2:7 is expressed in the form 4 : x . find the value of x  
A. 12  
B. 14  
C. 20  
D. 28
47. Simplify  $0.1/0.001$   
A. 1  
B. 10  
C. 100  
D. 1000
48. Change 3km 45m to meters  
A. A. 345m  
B. 3045m  
C. 30045m  
D. 30450
49. How many even numbers are there between 19 and 45?  
A. 12  
B. 13  
C. 14  
D. 16
50. What is the highest number that exactly goes into 18, 36 and 108?  
A. 18  
B. 2  
C. 9  
D. 108

