

British Army Mathematics Mock-Test.

Name: _____

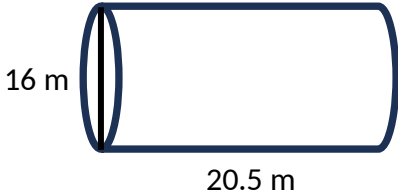
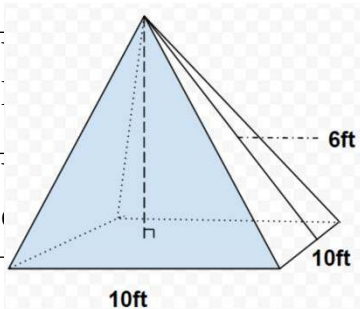
Chest no. _____

Rules:

You must write your name and your disc number.

You must write your answer in the “Answer” column unless told otherwise. You must include the unit where appropriate.

| S NO . | Questions | Answer | Mark s |
|--------------|--|--------|-----------|
| 1. | If you are travelling with the speed of 60 mph. If you took 1 hrs 45 mins to cover the distance, then calculate the total distance in km. | | 1 |
| 2. | You went in to the restaurant and had dinner. The total bill was Rs 2500 and the accountant charges you 10% additional service tax. Then, calculate the total bills you have to pay. | | 1 |
| 3. | You earn Rs 2000 and your friend earn \$ 300. If 10\$ = Rs. 1000. Then find the ratio of you and your friend's earning. | | 1 |
| 4. | Divide: 1.938 by 0.102. | | 1 |
| 5. | Suppose a triangle has coordinate A(-2,4), B(3,5) and C(0,8). If you move the co-ordinates by 3 units left and 4 units up. Find the image of co-ordinate A. | | |
| 6. | A shopkeeper announce 12% discount on each item in his shop. If the laptop's price is Rs. 144000. How much money can you save by buying that laptop on sale. | | 1 |
| 7. | <div><div><div><div>A</div><div>6 m</div><div>B</div><div>8 m</div><div>C</div></div></div><div><div>a. If you three and half rounds around it how much distance will you cover?</div><div>b. Calculate the area of the given rectangle.</div></div></div> | | 2 |
| 8. | <div><div>Ages of people in an office</div><div><div><div>stem</div><div>leaf</div></div><div><div>1</div><div>8 9 9</div></div><div><div>2</div><div>1 3 6 7 7 7 9</div></div><div><div>3</div><div>0 2 2 5 8</div></div><div><div>4</div><div>1 6 7</div></div><div><div>5</div><div>3 5</div></div></div><div><div>key: 2 3 means 23 years</div><div>Find the mean of the given data.</div></div></div> | | 1 |

| | | | | | | | | | | | | | |
|---------|---|----------|--------|---------|------|-------|---------|-----------|----------|--------|---------|--|---|
| 9. | Given that 2.5 cm = 1". Which one among the following is the widest? <table><tr><td>A</td><td>B</td><td>C</td><td>D</td><td>E</td></tr><tr><td>39.2 cm</td><td>21.4"</td><td>49.23 cm</td><td>31.4"</td><td>0.412 m</td></tr></table> | A | B | C | D | E | 39.2 cm | 21.4" | 49.23 cm | 31.4" | 0.412 m | | 1 |
| A | B | C | D | E | | | | | | | | | |
| 39.2 cm | 21.4" | 49.23 cm | 31.4" | 0.412 m | | | | | | | | | |
| 10. | Find the total surface area of given solid. (Use pi = 3.14) <div></div> | | 1 | | | | | | | | | | |
| 11. | A person borrowed a sum of money at the rate of 6.5 % per annum. If he received simple interest of Rs. 11700 at the end of 2 years and 6 months. What was the sum of money he borrowed. | | 1 | | | | | | | | | | |
| 12. | The height of friends gathered in a bar are listed below. Calculate their total height. <table><tr><td>Ram</td><td>Shyam</td><td>Hari</td><td>Mina</td><td>Priti</td></tr><tr><td>1.92 m</td><td>169.23 cm</td><td>174 cm</td><td>184 cm</td><td>1.75 m</td></tr></table> | Ram | Shyam | Hari | Mina | Priti | 1.92 m | 169.23 cm | 174 cm | 184 cm | 1.75 m | | 1 |
| Ram | Shyam | Hari | Mina | Priti | | | | | | | | | |
| 1.92 m | 169.23 cm | 174 cm | 184 cm | 1.75 m | | | | | | | | | |
| 13. | Find the volume of the given figure. (use formula: $V = \frac{1}{3} * l^2 * height \text{ of pyramid}$) <div></div> | | 1 | | | | | | | | | | |
| 14. | a row the calculate the probability of getting at | | 1 | | | | | | | | | | |
| 15. | kg of rice. If you consume 2341 gm of rice be left at the end of 10 days? | | 1 | | | | | | | | | | |