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Score: 13/15 (86.67%)

Code: 0171

1. What is the square root of 0.017?

- A) 0.001
 B) **0.13 (Correct)**
 C) 0.00001
 D) 0.000001

2. What is the definition of ratio?

- A) **Relation of two quantities of the same kind (Correct)**
 B) Relation of two quantities of the different kind
 C) Equality between two ratios
 D) Inequality between two ratios

3. What is the ratio of 4 kg to 800 grams?

- A) **05:01 (Correct)**
 B) 04:08
 C) 08:04
 D) 02:04

4. What percentage of 80 is 20?

- A) 0.8
 B) 0.4
 C) **0.25 (Correct)**
 D) 0.2

5. How much is 8% of 40 kg?

- A) 2.2 kg
 B) **3.2 kg**
 C) 4.2 kg (Incorrect)
 D) 5.2 kg

6. Convert 52% into fraction?

- A) (9/25)
 B) (11/25)
 C) **(13/25) (Correct)**
 D) (17/25)

7. Convert 0.456 decimal fraction into percentage?

- A) 0.456 (Incorrect)
 B) 0.0456
 C) **45.6**
 D) 0.000456

8. What is the x value for $x^2 + 62 = 126$?

- A) 4
 B) 6
 C) **8 (Correct)**
 D) 10

9. What is the square root of decimal number 550.37?

- A) 21.26
 B) 22.26
 C) 22.46
 D) **23.46 (Correct)**

10. What is the length L2, if total length (L) is 2.75 metre and L1:L2 = 2:3?

- A) 1.1 metre
 B) 1.25 metre
 C) **1.65 metre (Correct)**
 D) 1.75 metre

11. How many days a mechanic takes to assemble 64 machines if he assembles 8 machines in 3 days?

- A) 20 days
 B) 22 days
 C) **24 days (Correct)**
 D) 26 days

12. What will be the rpm of smaller gear if a 180 mm dia meshes with 60 mm dia gear and the bigger gear makes 60 rpm?

- A) 120 rpm
 B) 140 rpm
 C) 160 rpm
 D) **180 rpm (Correct)**

13. What is the percentage of copper if the casting weight of copper 42.3 kg and tin weight 2.7 kg?

- A) Cu 92%
 B) **Cu 94% (Correct)**
 C) Cu 96%
 D) Cu 98%

14. A motor cycle tyre is sold for Rs 300/- what is the purchase price if 25% profit is added to it.

- A) Rs 200
 B) Rs 220
 C) **Rs 240 (Correct)**
 D) Rs 260

15. What is the decimal fraction of conversion of 18.5%?

- A) **0.185 (Correct)**
 B) 0.175
 C) 0.165
 D) 0.195