

Duration: 60 Mins

Total Marks: 15

Q.ID: ITISKILL3054LA

1. What is the definition of ratio?

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

Answer: D) Relation of two quantities of the same kind

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

- A) Rs 260
B) Rs 240
C) Rs 200
D) Rs 220

Answer: B) Rs 240

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

- A) 1.1 metre
B) 1.65 metre
C) 1.25 metre
D) 1.75 metre

Answer: B) 1.65 metre

4. What percentage of 80 is 20?

- A) 0.8
B) 0.25
C) 0.2
D) 0.4

Answer: B) 0.25

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

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

Answer: D) 05:01

6. Convert 0.456 decimal fraction into percentage?

- A) 0.0456
B) 0.000456
C) 0.456
D) 45.6

Answer: D) 45.6

7. Convert 52% into fraction?

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

Answer: B) (13/25)

8. 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) 160 rpm
B) 140 rpm
C) 180 rpm
D) 120 rpm

Answer: C) 180 rpm

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

- A) 22.46
B) 21.26
C) 22.26
D) 23.46

Answer: D) 23.46

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

- A) 22 days
B) 26 days
C) 20 days
D) 24 days

Answer: D) 24 days

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

- A) 4
B) 8
C) 10
D) 6

Answer: B) 8

12. What is the square root of 0.017?

- A) 0.00001
B) 0.13
C) 0.001
D) 0.000001

Answer: B) 0.13

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

- A) 0.175
B) 0.185
C) 0.195
D) 0.165

Answer: B) 0.185

14. How much is 8% of 40 kg?

- A) 2.2 kg
B) 3.2 kg
C) 5.2 kg
D) 4.2 kg

Answer: B) 3.2 kg

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

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

Answer: B) Cu 94%