

Trade Entrance Exam Study Guide

28. What is the radius of a circle with a diameter of 240 mm?

- A. 76.43 mm
- B. 480.00 mm
- C. 12.00 mm
- ☒ D. 120.00 mm



This question is applicable to Cluster 2, Cluster 3, Cluster 4, Cluster 5.

29. A journeyperson earns \$23.45 per hour. A new apprentice earns 60% of the journeyperson rate and has 27% deductions. What would the apprentice's net weekly earnings be for a 40 hour week?

- A. \$273.90
- B. \$379.89
- ☒ C. \$410.84
- D. \$562.80

This question is applicable to Cluster 2, Cluster 3, Cluster 4, Cluster 5.

$$\begin{array}{r} 22.3 \\ 23.45 \\ 00.00 \\ \hline 14070000 \end{array}$$

30. Refer to Diagram 011. If  $x = 12.5$  cm, what is the area of the rectangle?

- A. 22.73 cm<sup>2</sup>
- B. 30.25 cm<sup>2</sup>
- ☒ C. 68.75 cm<sup>2</sup>
- D. 87.50 cm<sup>2</sup>

This question is applicable to Cluster 1, Cluster 2, Cluster 3.

$$\begin{array}{r} 12.5 \\ - 7.0 \\ \hline 5.5 \end{array}$$

$$\begin{array}{r} 12.5 \\ 5.5 \\ \hline 610 \\ 625 \\ \hline 600860 \\ 100 = 23.45 \end{array}$$

$$\begin{array}{r} 10.36 \\ 40.00 \\ \hline 000000 \\ 000000 \end{array}$$

$$\begin{array}{r} 14.07 \\ .27 \\ \hline 18849 \\ 2824 \\ \hline 37089 \end{array}$$

$$\begin{array}{r} 123.45 \\ - 14.07 \\ \hline 938 \end{array}$$

$$\begin{array}{r} 22.3 \\ 23.45 \\ .60 \\ \hline 140700 \end{array}$$

$$100x =$$

$$27/100 = x/14$$

$$100x =$$

$$27/100 = x/560$$

$$100x =$$

$$\begin{array}{r} 40 \\ 14 \\ \hline 160 \\ 40 \\ \hline 560 \end{array}$$

$$\begin{array}{r} 27.00 \\ 14.07 \\ \hline 18900 \\ 108000 \\ 2700 \\ \hline 1368900 \end{array}$$

# Electrician Math Test

**Rachel S Tattersall**



## **Electrician Math Test:**

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