

Practical Maths for Plumbing & Heating Students and Apprentices

Full 10 Unit Assessment Pack - Answers

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Unit 1 – Basic Operations (Answers)

1. 4500 W
2. 2500 W
3. 25 m
4. 60
5. 12

Unit 2 – Fractions (Answers)

1. $\frac{3}{4}$
2. $\frac{5}{8}$
3. $\frac{3}{4}$
4. 4 m
5. 15 m

Unit 3 – Decimals (Answers)

1. 1.00
2. 3.25
3. 10
4. 3.3
5. 4.57

Unit 4 – Percentages (Answers)

1. 20
2. 20 litres
3. 115
4. 40
5. 550 W

Unit 5 – Ratios (Answers)

1. 1:2
2. 2:3
3. 10 and 20
4. 30 and 10
5. 20 parts

Unit 6 – Powers and Indices (Answers)

1. 8

2. 25

3. 1000

4. 16

5. 16

Unit 7 – SI Units (Answers)

1. 1000 W

2. 2500 W

3. 5 L

4. 750 kPa

5. 2.5 m

Unit 8 – Algebra (Answers)

1. $x = 5$

2. $x = 7$

3. $x = 10$

4. $x = 12$

5. $x = 3$

Unit 9 – Transposition of Formulae (Answers)

1. $Q = Pt$

2. $R = V/I$

3. $I = P/V$

4. $v = d/t$

5. $R = P/I^2$

Unit 10 – Trigonometry & Pythagoras (Answers)

1. 5 m

2. 10 m

3. 12 m

4. 0.5

5. 0.5