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| --- | --- | --- |
| Mathematics Department  Course: ***APPLICATIONS YEAR 11*** | |  |
| Topic Title: *Skills Test 1* | | Time Allowed:  *15mins* |
| Student Name: | Date: | Marks: /14 |
| Special Instructions:  *No calculators allowed* | | |
|  | | |

**Multiple Choice**

*Identify the choice that best completes the statement or answers the question.*

1 Write 75% as a decimal.

|  |  |
| --- | --- |
| A | 75.0 |
| B | 7.5 |
| C | 0.075 |
| D | 0.0075 |
| E | 0.75 |

2 Write 0.09 as a percentage.

|  |  |
| --- | --- |
| A | 0.0009% |
| B | 900% |
| C | 0.9% |
| D | 0.009% |
| E | 9% |

3 Write  as a percentage.

|  |  |
| --- | --- |
| A | 67% |
| B | 68% |
| C | 66% |
| D | 69% |
| E | 70% |

4 What percentage is 200 out of 1000?

|  |  |
| --- | --- |
| A | 40% |
| B | 30% |
| C | 50% |
| D | 20% |
| E | 10% |

5 What percentage is 36 minutes out of 4 hours?

|  |  |
| --- | --- |
| A | 15% |
| B | 30% |
| C | 35% |
| D | 20% |
| E | 10% |

6 What is 40% of 4 km?

|  |  |
| --- | --- |
| A | 1600 m |
| B | 1590 m |
| C | 1790 m |
| D | 1550 m |
| E | 1750 m |

7 Find 11% of $2800.

|  |  |
| --- | --- |
| A | $308 |
| B | $3080 |
| C | $30.80 |
| D | $0.31 |
| E | $30 800 |

8 If 20% of a distance was 52 mm, how much was the whole distance?

|  |  |
| --- | --- |
| A | 260 mm |
| B | 228.8 mm |
| C | 247 mm |
| D | 104 mm |
| E | 10.4 mm |

9 John has travelled 15 km, which is 5% of his journey. How far will he have travelled when he has completed 45% of his journey?

|  |  |
| --- | --- |
| A | 267 km |
| B | 21 km |
| C | 135 km |
| D | 300 km |
| E | 1.7 km |

10 Toms weekly wage of $740 is increased by 5%. What is her new weekly wage?

|  |  |
| --- | --- |
| A | $777 |
| B | $758 |
| C | $796 |
| D | $703 |
| E | $851 |

11 An item normally costing $750 is discounted by 8%. What is the new price of the item?

|  |  |
| --- | --- |
| A | $711 |
| B | $690 |
| C | $704 |
| D | $831 |
| E | $694 |

12 An item normally costing $870 is discounted by 9%. How much are customers saving?

|  |  |
| --- | --- |
| A | $98.31 |
| B | $57.70 |
| C | $78.30 |
| D | $74.50 |
| E | $52.20 |

13 A shop marks all its goods up by 30%. What is the retail price for something that cost the owners $700?

|  |  |
| --- | --- |
| A | $805 |
| B | $1330 |
| C | $490 |
| D | $1243 |
| E | $910 |

14 The population of a city is 86 000. After the closure of a large factory, the population decreases by 10%. What is the new population of the city?

|  |  |
| --- | --- |
| A | 80 066 |
| B | 77 830 |
| C | 78 174 |
| D | 78 862 |
| E | 77 400 |

**Skills Test 1**

**Answer Section**

**MULTIPLE CHOICE**

1 ANS: E PTS: 1

2 ANS: E PTS: 1

3 ANS: C PTS: 1

4 ANS: D PTS: 1

5 ANS: A PTS: 1

6 ANS: A PTS: 1

7 ANS: A PTS: 1

8 ANS: A PTS: 1

9 ANS: C PTS: 1

10 ANS: A PTS: 1

11 ANS: B PTS: 1

12 ANS: C PTS: 1

13 ANS: E PTS: 1

14 ANS: E PTS: 1