**End of Unit Test** Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

**Measures - FOUNDATION**

**1.** (a) Choose the most suitable unit to measure the distance from one

town to another. Circle your answer.

centimetres metres kilometres

 **(1)**

(b) Choose the most suitable unit to measure the volume of a dustbin. Circle your answer.

millilitres centilitres litres

**(1)**

(c) Choose the most suitable unit to measure the weight of a pencil. Circle your answer.

 grams kilograms tonnes

**(1)**

**(Total 3 marks)**

**2.** A train timetable is shown.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   | Southampton | 10:15 | 11:45 | 13:15 |
|   | Plymouth | 14:54 | 16:24 | 17:57 |
|   | Devonport | 14:58 | 16:28 | 18:01 |

(a) William catches the 10:15 from Southampton. He arrives in Devonport 4 minutes late. What time does he arrive in Devonport?

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 …………………………………………………………………………………………………

Answer ......................................................................

**(1)**

(b) How long is William’s total journey?

 …………………………………………………………………………………………………

 …………………………………………………………………………………………………

Answer ......................................................................

**(2)**

(c) Kate catches the 11:45 from Southampton. She arrives in Plymouth on time. She goes shopping. She gets back to Plymouth station 90 minutes later. Is she back in time to catch the 17:57 train? You **must** show your working.

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 **(2)**

**(Total 5 marks)**

**3.** The table shows information about journeys A and B. Complete the table.

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|   |   | **Distance travelled** | **Time taken** | **Average speed** |
| **A** | 32 miles |    | 64 mph |
| **B** |    | 1 hour 20 minutes | 42 mph |

**(Total 2 marks)**

 **4.** Jack drives 95 miles. He drives at an average speed of 38 mph. He starts his journey at 7

am. What time does he arrive?

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Answer ...................................................................................

**(Total 3 marks)**

**5.** Which of these is used to work out density? Tick a box.

|  |  |  |
| --- | --- | --- |
|   | mass × volume |  |
|   | mass2 × volume |  |
|   | mass ÷ volume |  |
|   | volume ÷ mass |  |

**(Total 1 mark)**

 **6.** A solid statue has volume 720cm3 and mass 2.5 kilograms. The density of bronze is 8

grams per cm3. Is the statue made of bronze? Show how you decide.

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 **(Total 3 marks)**

**7.** The table shows the stopping distances for cars travelling at different speeds on dry roads.

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
|   | **Speed (miles per hour)** | 20 | 30 | 40 | 50 | 60 |
|   | **Stopping distance (feet)** | 44 | 84 | 136 | 200 | 276 |

The stopping distances on wet roads are **double** the stopping distances on dry roads. A car is travelling on a wet road where the speed limit is 30 mph. The car’s stopping distance is 250 feet. Is the car travelling above or below the speed limit? Show how you decide.

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 **(Total 3 marks)**

**(Total for test = 20 marks)**