**9008 Workplace Assessment**

**NQF 2 Contact Centre Support ID 71490 LP 73269**

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| **Name:**  |  |
| **ID Number:**  |  |
| **Workplace:**  |  |
| **Region:**  |  |
| **Date:**  |  |
| **Signature (to verify this is my own work)**  |  |

### Marking Grid: (For Office Use ONLY)

|  |  |  |
| --- | --- | --- |
| **SECTION**  | **TOTAL**  | **Learner Achievement**  |
| **Activity 1**  |  **23** |  |
| **Activity 2**  |  **66** |  |
| **Activity 3** | **10** |  |

|  |  |
| --- | --- |
| **Marked By:**  |  |
| **Date:**  |  |
| **Competent**  | **Not Yet Competent**  |
| **Assessor Sign off:**  |  |
| **Notes:**  |  |
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## 9008 Workplace Assignments

### Assignment 1: Estimate, measure and calculate

#### Activity 1.1

1. What is the mass indicated on the spring balance on the next page? (1)

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|  |

1. In each case give the greater/greatest measurement: (2)

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| --- |
| 250 g; 0.2 kg  |
| 0.01 kg; 12 000 mg; 10 g  |

1. Complete the following: (2)

|  |
| --- |
| 1kg = \= 1 000 ml |

1. What is the volume of the liquid in the measuring cylinder on the next page? (1)

|  |
| --- |
|  |

200

100

ml

30

25

20

15

10

5

**kg**

1. Answer the following: (3)

|  |
| --- |
| How many hours are there in a day?  |
| How many minutes are there in an hour?  |
| How many seconds are there in a minute?  |

1. How many seconds are there in 2 minutes? (1)

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| --- |
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1. How many minutes are there in 3 h 45 min? (1)

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1. How many seconds are there in 610,2 minutes? (1)

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1. Write the following according to the international time system: (3)

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| --- |
| 2.16 p.m.  |
| 12.05 p.m. :  |
| 3.12 a.m.:  |

1. What is the normal body temperature of a human being in Celsius? (1)

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|  |

1. What is the point at which water freezes in Celsius? (1)

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| --- |
|  |

1. What is the point at which water boils in Celsius? (1)

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|  |

1. What is the temperature shown on the thermometer. (1)

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| --- |
|  |

°C

38

37

36

1. The SI system uses the metric (decimal) system and uses a number of standard prefixes for units of length and mass. Complete each of the following: (4)

|  |
| --- |
| 1. 150cm = m
 |
| 1. 360mm = m
 |
| 1. 62ml = litres
 |
| 1. 3.6 tonnes = kg
 |

Solution

  =

  =

 

#### Activity 1.2

1. The radius of a circle is 8 metres, what is the area? Show your steps. (3)

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1. The figure below shows a rough drawing of the side of a large building. Calculate the surface area of this building so you know how much paint to order so that it may be painted. You will use about 5 litres of paint for each 20 m2. (5)



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1. A measuring cylinder can hold 500ml of liquid. Make a drawing of the measuring cylinder containing 250ml milk. (2)
2. The dimensions of a tumble dryer are:
* Width 559mm
* Height 850mm
* Depth 485mm

You want to fit the tumble dryer into the laundry. There only space available is between the washing machine and the fridge and there is a shelf above this space. You have measured the space between the washing machine and the fridge and it is 550mm wide and 860mm high.

Is the space wide enough for the tumble dryer to fit? Motivate your answer. (2)

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1. Is the space high enough for the tumble dryer to fit? Motivate your answer. (2)

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1. Calculate the area of the following triangle: (3)

3 cm

4 cm

|  |
| --- |
|  |
|  |

1. What is the area and perimeter of a rectangle with length 20 cm and width 0.15 m? Show your steps. (6)

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1. Take 1 piece of A4 paper. Calculate the area. Calculate the circumference. What shape is the paper? (3)

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1. Fold the paper in half, so that it resembles A5 size paper. What shape is the paper now? Calculate the area. Calculate the circumference. (3)

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1. Which shapes have been combined to make this drawing? (2)



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1. Draw a square where all the sides are 6cm long. Calculate the area. Calculate the circumference. (3)

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1. Using your knowledge of geometric shapes, draw a rough sketch of the training room. (11)

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1. Draw a parallelogram where two of the sides are 6cm long and two sides are 30mm long. Calculate the area. Calculate the circumference. (3)

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1. Complete the following table: (18)

|  |  |  |
| --- | --- | --- |
| **Name** | **Drawing** | **Description** |
| **Circle** | circle-1 |  |
| **Triangle** | triangle-1 |  |
| **Square** | quadrilateral-2 |  |
| **Rectangle** | quadrilateral-3 |  |
| **Parallelogram** | quadrilateral-6 |  |

1. Convert the following from the Imperial to the S1 System:
	1. Convert 54 miles to km. The factor is 1,609.344 metres
	2. Convert 130 pounds to kg. The factor is 0.45359237 kilogram
	3. Convert 9 inches to m. The factor is 0.0254 metre

### Assignment 3: Transformations

#### Activity 3.1

Make a drawing of this tessellation where it is rotated 90º to the right



Draw a mirror image for this triangle



Make a drawing of this orange rotated 180º

