EXEMPLARS

Instructions to learners.

1. The use of calculators is not allowed.
2. Answer all questions in the spaces provided.

LO 1: NUMBERS, OPERATIONS AND RELATIONSHIPS

1. Calculate:
   
   1.1  $16 787 + 8 694$
   
   1.2  $43 784 ÷ 18 978$

   ____________________________

   ____________________________

   ____________________________

1.2  $43 784 ÷ 18 978$

2. Calculate and write your answer as a mixed number.

   2.1  $\frac{8\frac{3}{5} - 4\frac{1}{15}}{}$

   2.2  $\frac{\frac{2}{3} + 3\frac{1}{6} + \frac{5}{12}}{}$

   ____________________________

   ____________________________

   ____________________________

2.2  $\frac{\frac{2}{3} + 3\frac{1}{6} + \frac{5}{12}}{}$
LO 2: PATTERNS, FUNCTIONS AND ALGEBRA

3. Calculate the value of \( x \) if \( x - 6 = 15 \).

_____________________________________________________

_____________________________________________________

4. What is the sixth number in the following sequence?
   
   1; 6; 11; 16; \( \ldots \)

   __________________

   __________________

LO 3: SPACE AND SHAPE

5. On the grid below, each block represents 1 cm by 1 cm.

   The area of the shaded figure = ______________________ cm²
LO 4: MEASUREMENT

6. Use this Bus Timetable to answer the questions that follow.

<table>
<thead>
<tr>
<th>Travelling from</th>
<th>Departure Time</th>
<th>Arrival Time</th>
</tr>
</thead>
<tbody>
<tr>
<td>Durban to Bloemfontein</td>
<td>09:00</td>
<td>14:40 (same day)</td>
</tr>
</tbody>
</table>

How many hours and minutes does it take the bus to travel from Durban to Bloemfontein?

_____________________________ ________________________

LO 5: DATA HANDLING

7. The following are the shoe sizes of some Grade 6 learners.

7  8  7  6  5
5  7  4  6  7
8  4  7  5  6

7.1 What is the mode of the shoe sizes? ______________

7.2 What is the mean of the shoe sizes? ______________

7.3 If one size 5 one size 6 is added to the current data, what is the median of the shoe sizes? ______________