This memorandum consists of 3 pages.

Important information:
1. Give full marks for answers only, unless otherwise stated.
2. Accept any alternative correct solution that is not included in the memorandum.
3. CA refers to consistent accuracy. See clarification in Question 8.1.

<table>
<thead>
<tr>
<th>Question</th>
<th>Expected Answer</th>
<th>Clarification</th>
<th>Mark allocation</th>
<th>Total</th>
</tr>
</thead>
<tbody>
<tr>
<td>1.</td>
<td></td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>1.1</td>
<td>B ✓</td>
<td></td>
<td>1</td>
<td>8</td>
</tr>
<tr>
<td>1.2</td>
<td>B ✓</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1.3</td>
<td>C ✓</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1.4</td>
<td>D ✓</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1.5</td>
<td>B ✓</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1.6</td>
<td>D ✓</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1.7</td>
<td>D ✓</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>1.8</td>
<td>B ✓</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>2.</td>
<td>98 ✓</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>3.</td>
<td>6 ✓</td>
<td></td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>4.</td>
<td>3 ✓</td>
<td></td>
<td>1</td>
<td>1</td>
</tr>
<tr>
<td>5.</td>
<td>p = 9 ✓ and t = 5 ✓</td>
<td></td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>6.</td>
<td></td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>7.</td>
<td></td>
<td></td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td>7.1</td>
<td>(6 x 4) ✓</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>7.2</td>
<td>5 ✓</td>
<td></td>
<td>1</td>
<td></td>
</tr>
<tr>
<td>8.</td>
<td>8.1</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7 000 \ 456 + 98 734 106 190 ✓</td>
<td>Digits in correct columns: 1 mark</td>
<td>1</td>
<td>2</td>
</tr>
<tr>
<td></td>
<td>= 90 000 + 8 000 + 700 + 30 + 4 Sum = 106 190 ✓</td>
<td>Correct answer: 1 mark</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>7 000 456 = 400 + 50 + 6 ✓</td>
<td>for CA</td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>+ 98 734 = 90 000 + 8 000 + 700 + 30 + 4</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>Sum = 106 190 ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>or 7 000 + 400 + 50 + 6 + 90 000 + 8 000 + 700 + 30 + 4 = 105 000 + 1 000 + 100 + 80 + 10 ✓ = 106 190 ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td></td>
<td>or 7 000 + 400 + 50 + 6 + 90 000 + 8 000 + 700 + 30 + 4 = 105 000 + 1 000 + 100 + 80 + 10 ✓ = 106 190 ✓</td>
<td></td>
<td></td>
<td></td>
</tr>
<tr>
<td>8.2</td>
<td>78 954 – 4 563 74 391 ✓</td>
<td>Digits in correct columns: 1 mark</td>
<td>Correct answer: 1 mark</td>
<td></td>
</tr>
</tbody>
</table>
or

\[
78,954 = 70,000 + 8,000 + 800 + 150 + 4
\]

\[
- 4,563 = - 4,000 - 500 - 60 - 3
\]

Difference = 70,000 + 4,000 + 300 + 90 + 1

\[
= 74,391 \checkmark
\]

or

\[
78,954 - 4,000 \rightarrow 74,954 - 500 \rightarrow
\]

\[
74,454 - 60 \rightarrow 74,394 - 3 \rightarrow 74,391
\]

or

\[
78,954 - 3 \rightarrow 74,951 - 60 \rightarrow 74,891 - 500 \rightarrow
\]

\[
74,391 - 4,000 \rightarrow 74,391
\]

8.3

\[
456 \times 8 = 500 - 60 - 3
\]

or

\[
456 \times (60 - 4)
\]

\[
= (456 \times 60) + (456 \times 4)
\]

\[
1,824 \checkmark = 3,648 \times 8 \checkmark = 27,360 + 1,824 \checkmark
\]

\[
+ 27,360 \checkmark = 29,184 \checkmark = 29,184 \checkmark
\]

or

\[
456 \times (70 - 6) \checkmark
\]

\[
= (456 \times 70) - (456 \times 6)
\]

\[
= 31,920 - 2,736 \checkmark
\]

\[
= 29,184 \checkmark
\]

A mark for each correct step. A mark for the correct answer.

Apply CA

8.4

\[
3 \frac{4}{7} + 5 \frac{3}{7} = 8 + \frac{4}{7} \checkmark = 9 \checkmark
\]

8 + \frac{4}{7} \checkmark 1 mark

Answer: 1 mark

Apply CA

8.5

\[
5 \frac{4}{9} - 3 \frac{2}{9}
\]

\[
= 5 + \frac{4}{9} - 3 - \frac{2}{9} \checkmark = 2 + \frac{4}{9} - \frac{2}{9} \checkmark
\]

\[
= 2 + \frac{2}{9} \checkmark = 2 + \frac{2}{9}
\]

\[
= 2 \frac{2}{9} \checkmark = 2 \frac{2}{9} \checkmark
\]

Breaking down:

1 mark

Answer: 1 mark

9.

\[
294 + 21
\]

\[
= 294 + 7 \checkmark + 3
\]

\[
= 42 \checkmark + 3
\]

\[
= 14 \checkmark
\]

10.

\[
35 \checkmark 28 \checkmark
\]

\[
2 \checkmark 2
\]

11.

\[
8 \checkmark
\]

\[
1 \checkmark 1
\]
12. Total amount = R18 975 + R21 762 ✓
   = R40 737 ✓
Correct operation:
1 mark
Correct answer: 1 mark

13. (24 ÷ 2) – 2 = x or (24 + 2) – 2 = □ ✓

14. Name of object: Triangular prism ✓
Number of faces: 5 ✓
Shapes of faces: Triangles ✓ and rectangles ✓

15. Perimeter = 2(11 m) + 2(5 m) ✓
   = 22 m + 10 m
   = 32 m ✓
   or
Perimeter = 5 m + 5 m + 11 m + 11 m ✓
   = 32 m ✓
2 2

16. Difference = 120 cm ✓ – 63 cm
   = 57 cm ✓

1 mark convert m to cm
1 mark for answer

17. 1 kg 330 g ✓

1 1

18. Rotation ✓ and translation ✓
or
Translation ✓ and rotation ✓
Any order is acceptable

2 2

19. 19.1 Winter ✓
19.2 Friday ✓

1 2

20. 20.1 4E or E4 ✓
   20.2 8F or F8 ✓

1 2

21. 31 ✓

Δ1: 2 x 5 – 3 = 7
Δ2: 3 x 4 – 2 = 10
Δ3: 7 x 5 – 4 = 31

2 2

22. 22.1 Soccer ✓
22.2 Rugby ✓
1 mark for answer

1

22.3 No. of learners = 90 – 20
   = 70 ✓
1

22.4 Total no. of learners = 40 + 70 + 60 + 90 + 40 + 20 ✓
   = 320 ✓
2

5

Total 60