

10.2.1	<p>6!</p> <p><math>= 6 \times 5 \times 4 \times 3 \times 2 \times 1</math></p> <p><math>= 720</math></p>	<p>✓ 6!</p> <p>✓ answer</p> <p>(2)</p>
10.2.2	<p>number of ways Xoliswa sits next to Anees/ <i>getal maniere waarop Xoliswa langs Anees sit</i></p> <p><math>= 5! \times 2</math></p> <p><math>= 240</math></p> <p><b>OR/OF</b></p> <p>Regard Xoliswa and Anees as a single entity/<i>Beskou Xoliswa en Anees as een</i></p> <p>Number of ways in which 5 passengers can be arranged <math>= 5!</math> <i>Getal maniere waarop 5 passasiers gerangskik kan word</i> <math>= 5!</math></p> <p>So 5! different arrangements for KA and 5! different arrangements for AX <i>So 5! verskillende rangskikkings vir KA en 5! verskillende rangskikkings vir AX</i></p> <p>number of ways Xoliswa sits next to Anees <i>getal maniere waarop Xoliswa langs Anees sit</i></p> <p><math>= 5! \times 2</math></p> <p><math>= 240</math></p>	<p>✓ <math>5! \times 2</math></p> <p>✓ answer</p> <p>(2)</p> <p>✓ <math>5! + 5!</math></p> <p>✓ answer</p> <p>(2)</p>
10.2.3	<p>number of ways Mary is at an end of the row on the left <math>= 1 \times 5!</math></p> <p>number of ways Mary is at an end of the row on the right <math>= 5! \times 1</math></p> <p>total number of arrangements <math>= 6!</math></p> <p><math display="block">P(\text{Mary is at an end of the row}) = \frac{5! \times 1 + 1 \times 5!}{6!}</math></p> <p><math display="block">= \frac{1}{3}</math></p> <p><i>getal maniere waarop Mary aan die einde van die ry links is</i> <math>= 1 \times 5!</math></p> <p><i>getal maniere waarop Mary aan die einde van die ry regs is</i> <math>= 5! \times 1</math></p> <p><i>totale getal rangskikkings</i> <math>= 6!</math></p> <p><math display="block">P(\text{Mary is aan einde van die ry}) = \frac{5! \times 1 + 1 \times 5!}{6!}</math></p> <p><math display="block">= \frac{1}{3}</math></p>	<p>✓ both LHS and RHS ways</p> <p>✓ 6 !</p> <p>✓ setting up probability</p> <p>✓ answer</p> <p>(4)</p> <p>[15]</p>
	<b>TOTAL/TOTAAL:</b>	<b>150</b>

# Memorandum For Grade 12 Mathematics Paper 1 September 2014

**SJ Ball**



**Memorandum For Grade 12 Mathematics Paper 1 September 2014:**

## **Memorandum For Grade 12 Mathematics Paper 1 September 2014** Book Review: Unveiling the Power of Words

In a world driven by information and connectivity, the ability of words has become more evident than ever. They have the capability to inspire, provoke, and ignite change. Such could be the essence of the book **Memorandum For Grade 12 Mathematics Paper 1 September 2014**, a literary masterpiece that delves deep to the significance of words and their impact on our lives. Written by a renowned author, this captivating work takes readers on a transformative journey, unraveling the secrets and potential behind every word. In this review, we will explore the book's key themes, examine its writing style, and analyze its overall impact on readers.

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