

MARKING GUIDELINES
NASIENRIGLYNE

MATHEMATICS (PAPER 1) GRADE 9
WISKUNDE (VRAESTEL 1) GRAAD 9

7.3	<table border="1" style="width: 100%; border-collapse: collapse; margin-bottom: 10px;"> <tr> <td style="width: 15%;">Softener/ <i>Versagter</i></td> <td style="width: 10%;">1</td> <td style="width: 10%;">2</td> <td style="width: 10%;">3</td> <td style="width: 10%;">4</td> <td style="width: 10%;">5</td> <td style="width: 10%; text-align: right;">6 ✓M</td> </tr> <tr> <td>Amount/<i>Bedrag</i></td> <td>120</td> <td>240</td> <td>360</td> <td>480</td> <td>600</td> <td style="text-align: right;">720 ✓M</td> </tr> <tr> <td>Dishwashing liquid/<i>Skottel- goedseep</i></td> <td>2</td> <td>4</td> <td>6</td> <td>8</td> <td>10</td> <td style="text-align: right;">12 ✓M</td> </tr> <tr> <td>Amount/<i>Bedrag</i></td> <td>300</td> <td>600</td> <td>900</td> <td>1 200</td> <td>1 500</td> <td style="text-align: right;">1 800 ✓A</td> </tr> <tr> <td>Total/<i>Totaal</i></td> <td>420</td> <td>840</td> <td>1 260</td> <td>1 680</td> <td>2 100</td> <td style="text-align: right;">2 520 ✓M</td> </tr> </table> <p style="text-align: center;">OR/OF</p> <p>Let k equal the number of 5 ℓ bought. <i>Laat k gelyk wees aan die hoeveelheid 5 ℓ gekoop.</i></p> $120k + 300k = 2\,520 \checkmark \mathbf{M}$ $420k = 2\,520$ $k = 6 \checkmark \mathbf{M}$ <p>Softener/<i>Versagter</i> : $120 \times 6 = 720 \checkmark \mathbf{M}$ Dishwashing liquid/<i>skottelgoedseep</i>: $= 150 \times 2 \times 6 = 1\,800 \checkmark \mathbf{M}$</p> <p>He bought/<i>Hy koop</i> 12 × 5 ℓ dishwashing liquid/ <i>skottelgoedseep</i> ✓CA</p> <p style="text-align: center;">OR/OF</p> <p>Let/<i>Laat</i> $x = 1 \times 5$ ℓ fabric softener/<i>versagter</i>. then/<i>dan</i> $2x = 1 \times 5$ ℓ dishwashing liquid/<i>skottelgoed- seep</i> ✓M</p> <p>Cost of softener/ <i>Koste van versagmiddel</i> = $120x$ and/<i>en</i> Dishwashing liquid/<i>skottelgoedseep</i> = $150 \times 2x = 300x \checkmark \mathbf{M}$</p> $\therefore 120x + 300x = 2\,520 \checkmark \mathbf{M}$ $420x = 2\,520$ $x = 6 \checkmark \mathbf{M}$ $\therefore 2x = 12 \times 5 \text{ l dishwashing liquid/}$ <p style="text-align: right;"><i>skottelgoedseep</i> ✓CA</p> <p>Any other alternative and mathematically correct method. <i>Enige ander alternatiewe en wiskundig korrekte metode.</i></p>	Softener/ <i>Versagter</i>	1	2	3	4	5	6 ✓M	Amount/ <i>Bedrag</i>	120	240	360	480	600	720 ✓M	Dishwashing liquid/ <i>Skottel- goedseep</i>	2	4	6	8	10	12 ✓M	Amount/ <i>Bedrag</i>	300	600	900	1 200	1 500	1 800 ✓A	Total/ <i>Totaal</i>	420	840	1 260	1 680	2 100	2 520 ✓M	<p>1 mark for/<i>1 punt vir</i> 6</p> <p>1 mark for/<i>1 punt vir</i> 720</p> <p>1 mark for/<i>1 punt vir</i> 12</p> <p>1 mark for/<i>1 punt vir</i> 1800</p> <p>1 mark for adding/ <i>1 punt vir</i> <i>bymekaartel van:</i> $720 + 1800 = 2520$</p> <p>1 mark for the equation/<i>1 punt vir</i> <i>vergelyking</i></p> <p>1 mark for/<i>1 punt vir</i> $k = 6$</p> <p>1 mark for/<i>1 punt vir</i> 720</p> <p>1 mark for/<i>1 punt vir</i> 1800</p> <p>1 mark for/<i>1 punt vir</i> 12</p>	(5)
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