

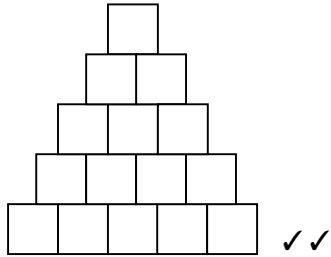


MARKS : 75

This memorandum consists of 3 pages.

QUESTION		EXPECTED ANSWERS	CLARIFICATION	MARKS	TOTAL
1.	1.1	B✓		1	6
	1.2	D✓		1	
	1.3	D✓		1	
	1.4	D✓		1	
	1.5	B✓		1	
	1.6	A✓		1	
2.		0,67✓		1	1
3.		4 283 164✓		1	1
4.	4.1	132✓		1	
	4.2	36✓		1	
	4.3	19✓		1	
	4.4	330✓		1	4
5.		40 000✓		1	1
6.		29 700✓		1	1
7.	7.1	<div>235 583 + 32 912 654 269 149✓✓</div>	All digits of the answer must be correct. EC	2	
	7.2	<div>394 067 - 63 625 330 442✓✓</div>	As above. EC	2	
	7.3	<div>1 4 5<div><div>4 8 ✓</div><div>6 9 6 0</div><div>5 8 0 ✓</div><div>1 1 6 0</div><div>1 1 6 0 ✓</div><div>0</div></div></div>	Answer ✓ Step 1 ✓ Step 2 ✓	3	
	7.4	<div>2 067 x 189 18 603✓ 165 360✓ + 206 700✓ 390 663✓</div>	1 mark for each product. 1 mark for the answer. EC	4	
	7.5	5 – 3,64 = 1,36 ✓ OR <div>5,00 - 3,64 1,36 ✓</div>		1	
	7.6	<div>24,37 + 346,83 371,20✓✓</div>	Whole number ✓ Decimal portion ✓	2	14

8.	8.1	$8\frac{3}{10} - 4\frac{1}{5}$ <b>OR</b> $= \frac{83}{10} - \frac{21}{5} \checkmark$ $= 4\checkmark + \frac{3}{10} - \frac{2}{10} \checkmark = \frac{83}{10} - \frac{42}{10} \checkmark$ $= 4 + \frac{1}{10} \checkmark = \frac{41}{10} \checkmark$ $= 4\frac{1}{10} \checkmark = 4\frac{1}{10} \checkmark$	Convert $\frac{1}{5}$ to $\frac{2}{10} \checkmark$ <b>EC</b>	4	
	8.2	$8 + \frac{1}{2} + \frac{1}{8} + \frac{3}{4}$ $= 8 + \frac{4}{8} + \frac{1}{8} + \frac{6}{8} \checkmark$ $= 8 + \frac{11}{8} \checkmark$ $= 8 + 1 + \frac{3}{8} \checkmark$ $= 9\frac{3}{8} \checkmark$ <b>OR</b> $= \frac{11}{2} + \frac{25}{8} + \frac{3}{4}$ $= \frac{44}{8} \checkmark + \frac{25}{8} + \frac{6}{8} \checkmark$ $= \frac{75}{8} \checkmark$ $= 9\frac{3}{8} \checkmark$	Convert $\frac{3}{4}$ to $\frac{6}{8} \checkmark$ Add fractions to $\frac{11}{8} \checkmark$ Convert $\frac{11}{8}$ to $1 + \frac{3}{8} \checkmark$ Answer $\checkmark$ <b>EC</b>	4	8
9.	9.1	$k = 11 \checkmark$		1	
	9.2	$h = 89 \checkmark$		1	2
10.		$13 \checkmark$		1	1
11.		$53 \checkmark$		1	1
12.		$\frac{45}{60} \times 100 \checkmark = 75 \text{ km} \checkmark$	<b>75 only- full marks</b>	2	2
13.		Number of packets = $480 \div 24 = 20$ Selling price = $R2,50 \times 20 = R50 \checkmark$ Profit = $R50 - R30$ = $R20 \checkmark$	<b>Number of packets =</b> $480 \div 24 \checkmark = 20$ <b>Selling price = <math>R2,50 \times 20 \checkmark = R50</math></b>  <b>Profit = <math>R50 - R30 \checkmark</math></b> = $R20$	2	2

14.			5 blocks in the base. ✓ All other blocks must be in the correct position following the same pattern (pyramid) ✓ ( no spaces between blocks)	2	2
15.	Name	Triangular prism ✓		1	
		Number of vertices 6 ✓		1	
		Number of edges 8 ✓		1	3
16.		Rotation ✓		1	1
17.		2 ✓		1	1
18.		D ✓		1	1
19.	19.1	6 ✓		1	
	19.2	4 ✓		1	
	19.3	24 ✓		1	3
20.		D ✓		1	1
21.	21.1	4 ✓		1	
	21.2	Octagon ✓		1	
	21.3	B6 OR 6B ✓		1	3
22.		6 hours ✓ 45 minutes ✓	Correct hours ✓ Correct minutes ✓	2	2
23.		$37 \times 2 = 74$ ✓ $200 \text{ ml} \times 74$ ✓ $= 14\,800 \text{ ml}$ 8 by 2 litre bottles ✓	Products 1 mark each. $37 \times 2$ ✓ = 74 glasses $200 \text{ ml} \times 74$ ✓ $= 14\,800 \text{ ml} = 14,8 \text{ litre}$ $14,8 \div 2$ ✓ = 7,4 She should buy 8 two-litre bottles	3	3
24.	24.1	260 g ✓		1	
	24.2	0,26 kg ✓		1	2
25.	25.1	16 ✓		1	
	25.2	<del>### ###</del> // ✓		1	2
26.	26.1	$\frac{3}{8}$ ✓		1	
	26.2	25% ✓		1	
	26.3	R30,00 ✓		1	3
27.		4 out of 11 ✓ OR $\frac{4}{11}$		1	1
28.		11 ✓		1	1
29.		16 ✓ ✓	4 x 4 ✓ ✓	2	2

**TOTAL: 75**