



SEKHUKHUNE SOUTH DISTRICT

GRADE 6

MATHEMATICS

CONTROLLED TEST 2

7 June 2022

MARKING GUIDELINE

| Question 1 | | |
|------------|-------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| 1.1 | 1.1.1 | 200 000 ✓ or two hundred thousand ✓ (1) |
| | 1.1.2 | 526717; 529637; 5261823; 5261871; 5270182 ✓ (1) |
| | 11.3 | 2 11 25 31 49 51 53 60 ✓ (1) |
| | 1.1.4 | 307 285 ✓ (1) |
| 1.2 | 1.2.1 | $\begin{array}{r} 835894 \\ + 470579 \\ \hline 1306473 \end{array}$ ✓ accept any other correct method 1 mark: method 1 mark: answer (2) |
| | 1.2.2 | $\begin{array}{r} 677546 \\ - 185357 \\ \hline 492189 \end{array}$ ✓ accept any other correct method 1 mark: method 1 mark: answer (2) |
| | | [8] |
| Question 2 | | |
| 2.1 | 2.1.1 | F68 = 1; 2; 4; 17; 34; 68 ✓✓ all factors correct |
| 2.2 | 2.1.2 | 112; 119 ✓✓ all multiples correct |
| | 2.1.3 | 0 ✓ (1) |

| | | | |
|-----|-------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------|
| | 2.1.4 | $\begin{array}{r} 2225 \\ \times 145 \\ \hline 11125 \\ 8900 \\ + 2225 \checkmark \\ \hline 322625 \checkmark \end{array}$ <p>accept any other correct method</p> <p>1 mark: method 1 mark: answer</p> | (2) |
| | 2.1.5 | $= \text{Amount} = R\ 3\ 999 \times 4 \checkmark$ $= R\ 15\ 996 \checkmark$ <p>answer only: 1 mark</p> | (2) |
| 2.2 | 2.2.1 | False \checkmark | (1) |
| | 2.2.2 | $6001 \div 124 =$ $\begin{array}{r} 48 \text{ rem } 49 \checkmark \\ 124 \overline{) 6001} \\ \underline{- 496} \checkmark \\ 1041 \\ \underline{- 992} \\ 49 \checkmark \end{array}$ <p>Any other method = 3 marks</p> | (3) |
| | 2.2.3 | $\frac{1}{2} \text{ of } 6 = \frac{1}{2} \times 6 \checkmark$ $= 3 \checkmark$ <p>3 eggs were used</p> <p>answer only: 1 mark</p> | (2) |
| | | | [15] |

| Question 3 | | | |
|------------|-------|--------------------------------------------------------------------------------------------|-----|
| 3.1 | 3.1.1 | 27 \checkmark | (1) |
| | 3.1.2 | 8 \checkmark | (1) |
| 3.2 | | B \checkmark | (3) |
| 3.3 | 3.3.1 | 240; 480, 960 \checkmark Rule: doubling \checkmark | (2) |
| | 3.3.2 | 96; 110; 124 \checkmark Rule: add 14 \checkmark | (2) |
| 3.4 | | + 3 $\checkmark\checkmark$ | (2) |
| 3.5 | 3.5.1 | 16 blocks | (1) |
| | 3.5.2 | Multiply the model number by itself/ square the model number | (1) |
| | 3.5.3 | Blocks in model 9 = $9 \times 9 \checkmark$ $= 81 \checkmark$ (answer only: full marks) | (2) |

| Question 4 | | | |
|------------|-------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------|
| 4.1 | 4.1.1 | 0,3; 0,1✓ | (1) |
| 4.2 | | = ✓ | (1) |
| 4.3 | | $5\frac{1}{2} - 2\frac{2}{3} = \frac{11}{2} - \frac{8}{3} \quad \checkmark$ $= \frac{33-16}{6} \quad \checkmark$ $= \frac{17}{6} \quad \checkmark$ $= 2\frac{5}{6} \quad \checkmark$ | (4) (left as improper fraction: 3 marks) |
| 4.4 | 4.4.1 | 60 % ✓ | (1) |
| | 4.4.2 | 0,75 ✓ | (1) |
| 4.5 | 4.5.1 | $23,07 \times 100 = 2307 \checkmark$ | (1) |
| | 4.5.2 | $\begin{array}{r} 59,30 \\ - 25,08 \\ \hline 34,22 \end{array} \checkmark$ | (2) (answer only : full marks) |
| 4.6 | | $10\% \text{ of } R2650,70 = \frac{10}{100} \times 2650,70 \checkmark$ $= \frac{26507}{100}$ $= 265,07 \checkmark$ <p>Sipho is saving R 265,07 monthly</p> | (3) |
| | | | [14] |
| | | TOTAL | 50 |