



MATHEMATICAL LITERACY

REVISION BOOKLET 2026 TERM 1 Grade 10 Marking Guideline / Nasien Riglyne

Number formats & Basic Calculations:

- 1.1) Fifty nine million three hundred and ten thousand
Nege en Vyftig miljoen drie honderd en tien duisend
 - 1.2) Five million nine hundred and twenty six thousand six hundred and sixty eight
Vyf miljoen nege honderd ses en twintig duisend, ses honderd en ag en sestig
 - 1.3) Twenty eight thousand seven hundred and three
Ag en twintig duisend sewe honderd en drie
 - 1.4) $\$224 + \$198 = \$422$
Four hundred and twenty two million dollar
Vier honderd en twintig miljoen dollar
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- 2.1) Temperature is BELOW freezing point (0°C) / Temperatuur is LAER as vriespunt (0°C)
 - 2.2) EFT Rent is reducing the balance of the account. / EFT Huur verlaag die rekening saldo.

Rounding:

- 1 a) 4 863
b) 4 900
c) 4 900
d) 4 862,75

- 2) a) $5m \times 100 = 500 \text{ cm}$
 $500 \text{ cm} \div 70 \text{ cm} = 7,14$
 $\therefore 7 \text{ presents}$
- b) $15 \times 3 = 45 \text{ slices needed.}$
 $45 \div 8 = 5,625 \text{ pizzas needed}$
 $\therefore 6 \text{ pizzas}$
- 3) a) R119,90
b) $-R0,02$
 $R100 - R92,60$
 $= R7,40$

Ratio:

- 1a) 8:2
4:1
- 1b) 10
- 1c) 16:4
- 1d) 2:8
1:4
- 2) $1 + 2 + 4 = 7$
Quinton : $\frac{1}{7} \times R 1\ 750 = R250$
Peter : $\frac{2}{7} \times R 1\ 750 = R500$
Sam : $\frac{4}{7} \times R 1\ 750 = R1\ 000$
- 3a) 1:5
- 3b) $5\ell \times 5 = 25 \ell \text{ water}$
- 3c) $\text{One bottle} : 5 \ell + 25 \ell = 30 \ell$
 $3 \times 30 \ell = 90\ell$
- 4a) S:C:V
3:5:2
?:?:44
- $44 \div 2 = 22$
 $S = 3 \times 22 = 66$
 $C = 5 \times 22 = 110$
- 4b) $3 + 5 + 2 = 10$
Vanilla = $\frac{2}{10} \times 550 = 110$

Rate:

1a) $1 \text{ kg} = 1\,000 \text{ g}$
 $R\,130 \div 2 = R\,65$

1b) $\frac{R130}{1\,000 \text{ g}}$
 $= R0,13 \text{ per gram}$

1c) $1\,000 \div 150 = 6,67 \text{ packets}$
 $\approx 6 \text{ full packets}$

2) $\text{Speed} = \frac{\text{distance}}{\text{time}}$
 $\text{Speed} = \frac{5 \text{ km}}{42 \text{ min}}$
 $\text{Speed} = 0,12 \text{ km/h}$

3a) $10 \text{ kg bag} : \frac{R129}{10 \text{ kg}} = R12,90 \text{ per kg}$

$$2,5 \text{ kg bag} : \frac{R33,99}{2,5 \text{ kg}} = R13,596 \text{ per kg}$$
$$\approx R13,60$$

3b) $300 \text{ g} \times 75 = 22\,500 \text{ g}$
 $22\,500 \text{ g} \div 1\,000 = 22,5 \text{ kg}$

$$\frac{22,5 \text{ kg}}{10 \text{ kg}} = 2,25 \text{ bags}$$
$$\approx 3 \text{ bags}$$
$$3 \times R129 = R\,387$$

$$\frac{22,5 \text{ kg}}{2,5 \text{ kg}} = 9 \text{ bags}$$
$$9 \times R33,99 = R\,305,91$$

$\therefore 2,5 \text{ kg bags will be the better option}$

4a) $R39,99 \div 6 = R6,665$
 $\approx R6,67$

4b) $\frac{32}{6} = 5,33 \text{ packets}$
 $\approx 6 \text{ packets}$
 $6 \times R39,99$
 $= R239,94$

Percentage:

$$1a) \frac{40}{100} \times 35 = 14 \text{ boys}$$

$$1b) \frac{6}{35} \times 100 = 17,14\%$$

$$2a) \frac{45}{100} \times R12,50 = R5,625 \\ R12,50 + R 5,625 \\ = R18,13$$

OR

$$\frac{145}{100} \times R12,50 = R18,13$$

$$2b) \frac{12,5}{100} \times R12,50 = R1,5625 \\ R12,50 - R 1,5625 \\ = R10,94$$

$$3a) \frac{12,37-11,24}{11,24} \times 100 = 10,05\%$$

$$3b) \frac{12,37-7,42}{12,37} \times 100 = 40,02\%$$

$$4) \frac{100}{80} \times R96 = R120$$

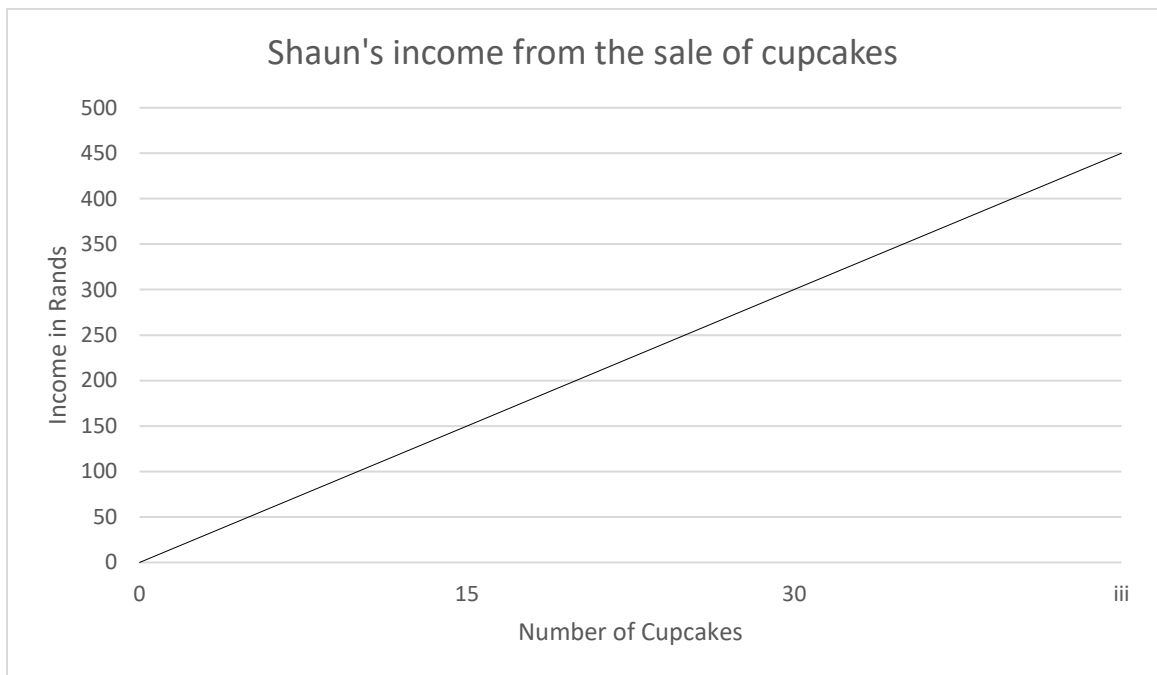
Patterns & Relationships:

1.1) $\text{Income} = R\ 10 \times c$

1.2)

No of cupcakes	0	15	30	45
Income (R)	0	150	300	450

1.3)



2.1)a Inverse relationship

2.1)b Number of learners in the coach

2.1)c Cost per Learner (R)

2.2) $\text{Cost} = R9\ 152 \div \text{number of learners}$

3.1) Albert

3.2) 17 seconds

3.3) 100m

3.4) i Charlie

3.4)ii from 8 seconds to 13 seconds \therefore 5 seconds

Data Handling:

- 1.1) 6 weeks
- 1.2) 4
- 1.3) Observation

2.1) 40

2.2)
$$\frac{(4 \times 2) + (5 \times 2) + (6 \times 4) + (7 \times 16) + (8 \times 10) + (9 \times 4) + (10 \times 2)}{40}$$

$$= \frac{8 + 10 + 24 + 112 + 80 + 36 + 20}{40}$$

$$= \frac{290}{40}$$

$$= 7,25$$

$$\approx 7$$

- 2.3) 7
- 2.4) $10 - 4 = 6$

3.1) 42; 43; 44; 45; 45; 49; 50; 51; 53; 53; 53; 53; 56; 56; 60

3.2) i) $\frac{753}{15}$
 $= 50,2 \text{ kg}$
 $\approx 50 \text{ kg}$

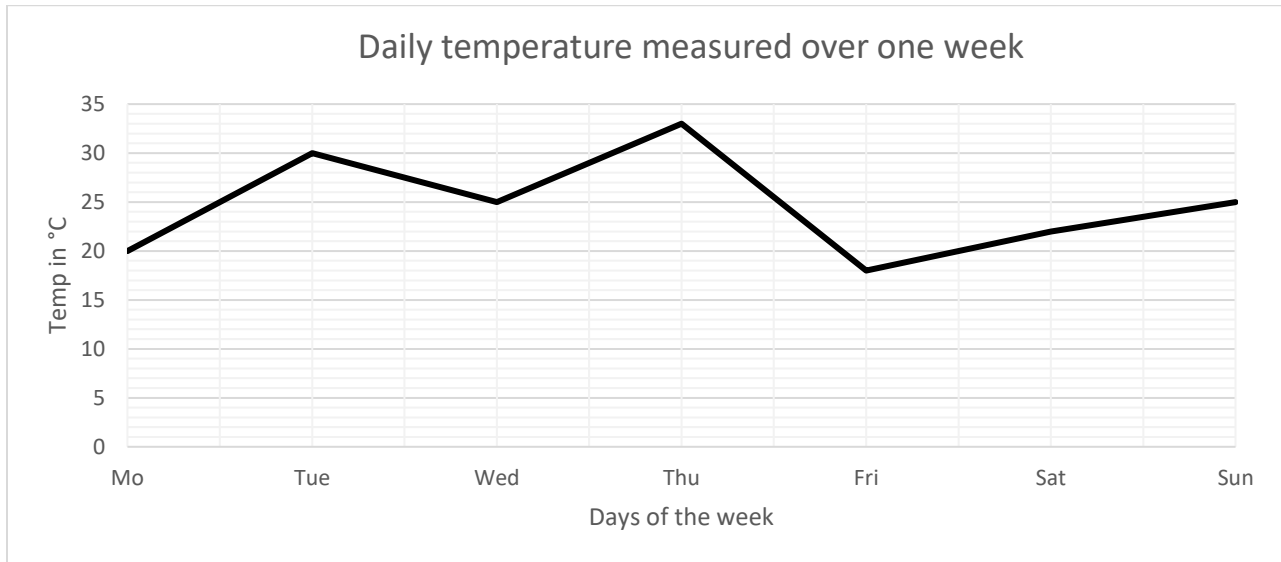
ii) 53 kg

iii) 51 kg

3.3) $60\text{kg} - 42\text{kg} = 18\text{kg}$

4.1) 33°C
 4.2)i) $\frac{173}{7}$
 $= 25,71^{\circ}\text{C}$

- ii) 25°C
- iii) 25°C



- 5.1) Questionnaire / Survey
- 5.2) Chicken ; Hamburgers ; Pizza : Fish and Chips
- 5.3) *Hamburgers* $\frac{26}{100} \times 85 = 22,1 \text{ learners} \approx 22 \text{ learners}$
Fish and Chips $\frac{6}{100} \times 85 = 5,1 \text{ learners} \approx 5 \text{ learners}$
- 5.4) Population – the total amount of individuals in a specific area.
 Sample – A selection of individuals from the population.

- 6.1) 84,5
- 6.2) 10
- 6.3) $104,5 - 44,5 = 60$

- 1.4.1) 12 hours
- 1.4.2) Discrete
- 1.4.3) 17 031: 13 852

- 1.3.1) Netflix.
- 1.3.2) $100 - (44 + 4 + 20 + 21 + 10)$
 $= 100 - 99$
 $= 1\%$
- 1.3.3) Netflix ; Showmax; iRoko; Others; Amazon Prime ; iFlix
- 1.3.2) Vertical bar graph