

Mathematical Literacy 2 - Module 1 Test Questions













Name: **Solutions**

Marks Available: 50

Time: 45 minutes

Question 1:

Study the attached weather report and answer the questions that follow:

DAY	SUMMARY	TEMP (MIN/MAX)	RAIN	VISI-BILITY (AM/PM)	WIND AM	WIND PM
MONDAY 08/06 98% CONFIDENCE	 Cloudy with showers and thunderstorms	9°c 13°c	60%: 7mm	Good/ Good	 20km/h E	 30km/h NE
TUESDAY 09/06 95% CONFIDENCE	 Cloudy with showers and thunderstorms	10°c 14°c	30%: 8mm	Good/ Good	 30km/h NE	 35km/h NE
WEDNESDAY 10/06 80% CONFIDENCE	 Cloudy with showers and thunderstorms	8°c 12°c	30%: 12mm	--	 30km/h NE	 35km/h NE
THURSDAY 11/06 80% CONFIDENCE	 Cloudy with showers and thunderstorms	4°c 12°c	60%: 12mm	Good/ Good	 20km/h NE	 20km/h N

1. Which day did it get the coldest on? (1) **Thursday**
2. Which day did it get the hottest on? (1) **Tuesday**
3. In what unit is the amount of rainfall measured? **millimetres**
4. In what unit is wind speed measured? (1) **km / h**
5. Is this a rate? (1) **Yes**
6. Monday has a 98% confidence. What does this mean? (2)
The weather forecasters are 98% sure that this is what the weather will be.
7. Which day will get the most rain? (1) **Wed & Thurs**

[8]

Question 2

Read the passage and answer the questions that follow

Smit, the most experienced member of the team in terms of caps, will lead the Springboks out at Absa Stadium once more and will be tasked with leading the fight against the Lions for the first time since the Springboks 2-1 series defeat to the tourists in 1997.

Sixteen players in the match 22 participated in the Springboks' last test outing against England at Twickenham in November 2008.

The Test will be the 44th encounter between the Springboks and the Lions since 1891. South Africa has won 21, the Lions 16 and 6 Tests have been drawn.

1. What percentage of players who are in the match 22 played against England? (3)
=16/22
=72.72%
2. What percentage of the total tests have the Springboks won? (3)
=21 / (21 + 16 + 6)
= 48.84%
3. What is the ratio of wins of the Springboks and the Lions? (2)
21: 16 (Springboks to Lions)

[8]

Question 3

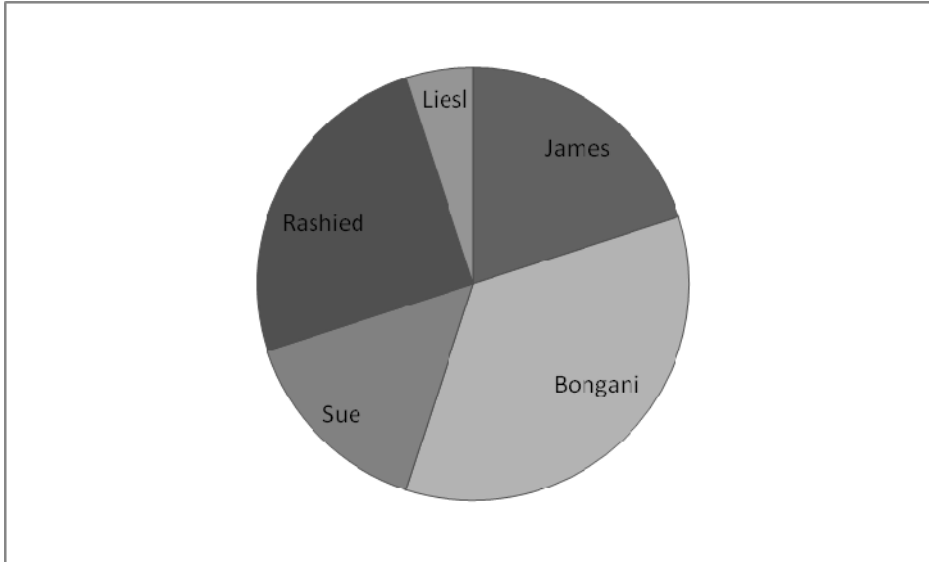
Edgars advertises 25% off during a sale. What will the following items cost?

1. A shirt for R300 (3) **R225**
2. Jeans for R450 (3) **R337.50**

[6]

Question 4

5 people are paid out R1000 between them as follows:



Estimate how much of the R1000 each person got.

James	R200
Bongani	R350
Sue	R150
Rashied	R250
Liesl	R50

[10]

Question 5

- Convert $\frac{5}{70}$ into decimal format (3)
0.0714
- Convert $\frac{7}{20}$ into a percentage (3)
35%
- Convert 45% into a fraction (3)
 $\frac{9}{20}$
- Convert 37% into a decimal (3)
0.37

[12]

Question 6

Round of the following correctly:

- a. If 120 people need to be transported, how many 14 seater buses will be needed?
(2) **9 buses**
- b. How many 500 ml bottles of energade can you fill with 12.3 litres? (2)
24 bottles
- c. If cokes need to be provided for 500 participants in a race, how many crates will
be needed if each crate contains 24 cokes? (2) **21 crates**

[6]

[50]