



GRADE 12 MATHEMATICAL LITERACY MARCH TEST

QUESTION 1

Jane calculated her total deposit for the previous year. It came down to the following:

At 11% (simple) Tax
Balance of 147,000 pounds

At 11% (simple)
At 11% (simple)

1.1 The value of 147,000 pounds is 147,000 pounds. (2)

1.2 The value of 147,000 pounds is 147,000 pounds. (2)

The value of 147,000 pounds is 147,000 pounds. (2)

1.3 The value of 147,000 pounds is 147,000 pounds. (2)

1.4 The value of 147,000 pounds is 147,000 pounds. (2)

1.5 The value of 147,000 pounds is 147,000 pounds. (2)

QUESTION 2

Use the following information to answer the questions that follow.

Monthly investment	Spent for 100000	Income
	100000	
100000	100000	100000
100000	100000	100000
100000	100000	100000
100000	100000	100000

2.1 The value of 147,000 pounds is 147,000 pounds. (2)

2.2 The value of 147,000 pounds is 147,000 pounds. (2)

2.3 The value of 147,000 pounds is 147,000 pounds. (2)

2.4 The value of 147,000 pounds is 147,000 pounds. (2)

2.5 The value of 147,000 pounds is 147,000 pounds. (2)

2.6 The value of 147,000 pounds is 147,000 pounds. (2)

2.7 The value of 147,000 pounds is 147,000 pounds. (2)

QUESTION 3

3.1 Tony wants to buy a laptop for school. He is looking at the following options:

Option 1	Option 2	Option 3
Cost: 100000	Cost: 100000	Cost: 100000
At 11% (simple)	At 11% (simple)	At 11% (simple)
At 11% (simple)	At 11% (simple)	At 11% (simple)

3.1.1 The value of 147,000 pounds is 147,000 pounds. (2)

3.1.2 The value of 147,000 pounds is 147,000 pounds. (2)

3.1.3 The value of 147,000 pounds is 147,000 pounds. (2)

3.2 In order to make money to fund his laptop, Tony decides to plan out his income in his 'monthly' plan. He calculates changes for 100000 per month for using his plan. He also calculates expenses adding up to 100000 per month. Tony decides to use his plan to calculate income per month.

3.2.1 The value of 147,000 pounds is 147,000 pounds. (2)

3.2.2 The value of 147,000 pounds is 147,000 pounds. (2)

3.3 Tony buys food and a notebook at the school book shop. He options are:

Shops: 100000
Shops: 100000
Shops: 100000

3.3.1 The value of 147,000 pounds is 147,000 pounds. (2)

3.3.2 The value of 147,000 pounds is 147,000 pounds. (2)

3.3.3 The value of 147,000 pounds is 147,000 pounds. (2)

3.3.4 The value of 147,000 pounds is 147,000 pounds. (2)

3.3.5 The value of 147,000 pounds is 147,000 pounds. (2)

Grade 12 Mathematics Literacy Exemplars

**Ann Kajander, Jennifer Holm, Egan J
Chernoff**



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$$\text{MnO}_4^- + 7\text{H}^+ + 5\text{e}^- \rightarrow \text{Mn}^{2+} + 4\text{H}_2\text{O}$$

$$\text{MnO}_4^- + 4\text{H}^+ + 3\text{e}^- \rightarrow \text{MnO}_2 + 2\text{H}_2\text{O}$$

$$\text{MnO}_4^- + 2\text{H}_2\text{O} + 3\text{e}^- \rightarrow \text{MnO}_2 + 4\text{OH}^-$$
basic m n x 7 o x 4 x e x m n x 6 o x 4 x 2 b a s i c

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