

Grade 7

Mathematics

2015

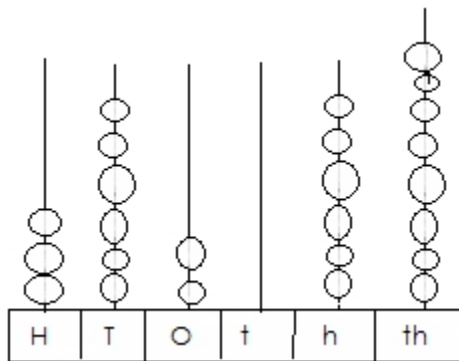
Mock Examination

Marks: 60

Paper 1

Section B

Question 1



- Write down the number represented above
- Write down the number on the abacus in expanded form
- What would be the new number if you subtracted 8 from the TENS
- Round off the number on the abacus to the nearest Hundred.

Question 2

Round Off

- 12 061 to the nearest thousand
- 2 861 988 to the nearest million
- 8621.047 to nearest tenth
- 199.98 to the nearest tenth
- 6 999 866 to the nearest thousand

Question 3

Match the following using arrows [5]

- | | |
|--|--------------------------------------|
| a. Parallel | lines that meet at 90° |
| b. Perpendicular | lines that will never meet |
| c. More than 180° but less than 360° | a point where 2 lines meet |
| d. Vertex | a point where lines cross each other |
| e. Intersection | Reflex |

Question 4

- a) Using a pencil, ruler and a compass draw a 60° angle [3]

- b) Bisect the line below [2]

A _____ B

Question 5

Mr Mamba's kombi can carry 20 people in 1 load. He was asked to transport 61 people to town.

a. How many full loads did he transport?

b. How many trips did he make?

Question 6

Complete these patterns

a) 2, 5, 7, 11, _____, _____, _____

b) 4, 9, 13, 39, _____, _____

Question 7

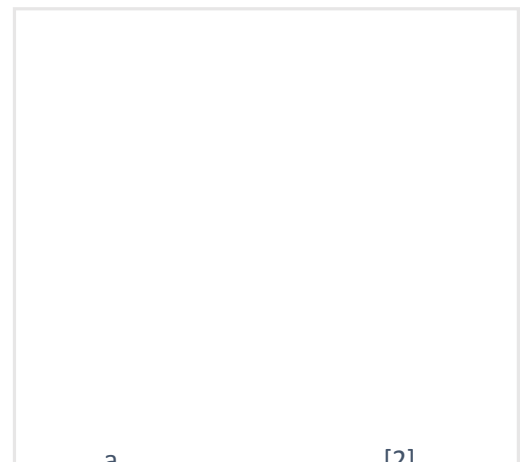
Work out "your answer should be in their simplest form"

a) $2\frac{1}{2} - \frac{2}{3}$

b) $2 \times \frac{1}{4}$

c) $\frac{2}{5} \div \frac{1}{8}$

Question 8



a

[2]

Lutfo waters his 5 orange trees 2 times a day, he uses a 5 litre bucket of water for each tree when watering.

- a. How many litres of water does he use in on the trees in a day

- b. How many litres of water does he use in 1 litre in a fourth night

- c. How many litres of water does he use in all the trees in 1 week?

The water company charges 5cents for each litre of water.

- d. How much money does he spend in watering 1 tree for the whole week

- e. How much money does he spend in watering all the trees in 1 day?

12																				
11																				
10																				
9																				
8																				
7																				
6																				
5																				
4																				
3																				
2																				
1																				
0	1	2	3	4	5	6	7	8	9	10	11	12	13							

- Plot points;
A (1, 1) B (5, 1) C (5, 4) D (1, 6)
- Join point A to B, B to C, C to D, D to A
- Move shape ABCD 2 right and 2 up
- What specific name is given to shape A' B' C' D'
- Reflect shape A' B' C' D' over the dotted line and name the new shape A² B² C² D²

a. _____ [4]

b. _____ [1]

c. _____ [1
]

d. _____ [3
]

e. _____ [3
]