

HOME BASED ACADEMY

GRADE 7 SEPTEMBER EXAMINATION 2020

MATHEMATICS

PAPER 2

SEPTEMBER 2020

Time:2 hours

INSTRUCTIONS TO CANDIDATE

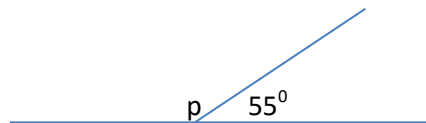
1. Answer all the questions on a separate answer sheet.

SECTION A[25 MARKS]

Answer **all** questions

1. Write 859 426 in expanded notation. [2]
2. Find the product of 0,04 and 0,8. [2]
3. $\frac{2}{3}$ of a day is [2]
4. $3\frac{3}{8} \div 5\frac{1}{4}$ [3]
5. Decrease 120 by 40% [2]
6. What is the cost of 2 litres of petrol when 7 litres cost \$6, 86? [2]
7. Compare using $<$, $=$ or $>$ $0,55$ \square $1\frac{1}{20}$ [2]
8. Round off 86,17 to the nearest tenth [1]
9. How many hours and minutes are there between 9.30am and 2p.m?[2]

10.



- (a) Find angle p [2]

SECTION B [15 MARKS]

There are **five** questions in this section answer any **three** questions.

11. Mr Gudo, Mrs Tsuro and Miss Ngwena started a joint venture business. They invested \$800, \$600 and \$1 200 respectively.

- (a) Express their contributions as a ratio in its simplest form. [2]
- (b) They made a profit of \$78 000 and shared it according to the ratio of their contributions. Calculate Miss Ngwena's profit. [3]

12. Chenai bought a chess game for \$200. She then sold it and made a profit of 47%.

- (a) What was the selling price? [2]
- (b) What profit did she make? [3]

13. Study the distance table below and answer questions that follow
Masvingo

150

90	Mvuma			
40	Chivhu			
230	60	40	Featherstone	
290	120	80	60	Beatrice

- (a) What is the distance between Masvingo and Beatrice? [2]
- (b) What time will a motorist travelling at 80km/hr take to travel between Mvuma and Beatrice? [3]

14. A school choir has 20 pupils. 12 of them are girls.

- (a) What is the percentage of girls? [2]
- (b) What is the percentage difference between that of girls and boys? [3]

15. A bus left Harare at 7.35am and arrived in Kariba at 2.15p.m.

- (a) How many hours and minutes did the journey take? [3]
- (b) What time did it arrive in Kariba in 24 hour notation? [2]