

Section 1 Computation (20 Marks)

Answer ALL the questions in this section. Clearly show ALL your working in the space provided.

1. (a) Calculate the sum of
6092, 60 and 1725

(2 marks)

(b) Calculate the **difference** between
16000 and 1932.

(2 marks)

(c) Multiply 143 by 37

(2 marks)

(d) Calculate $16 - 2\frac{3}{5}$

(e) Divide 3150 by 25

(2 marks)

(2 marks)

2. From the box below, choose numbers to complete the blank space(s)_____.

- | |
|----------------------------|
| 9, 11, 20, 24, 25, 50, 36, |
| 57, 58, 59, 60, 63, 69, 80 |

(a) three numbers which add up to 100:

_____, _____, _____

(b) factors of 100: _____, _____

(c) square numbers: _____, _____

(d) a prime number greater than 20:

(8 marks)

3. Each missing digit in this calculation is **2, 5 or 7**. Write the missing digit. (You may use each digit more than once).

Each represents one digit.

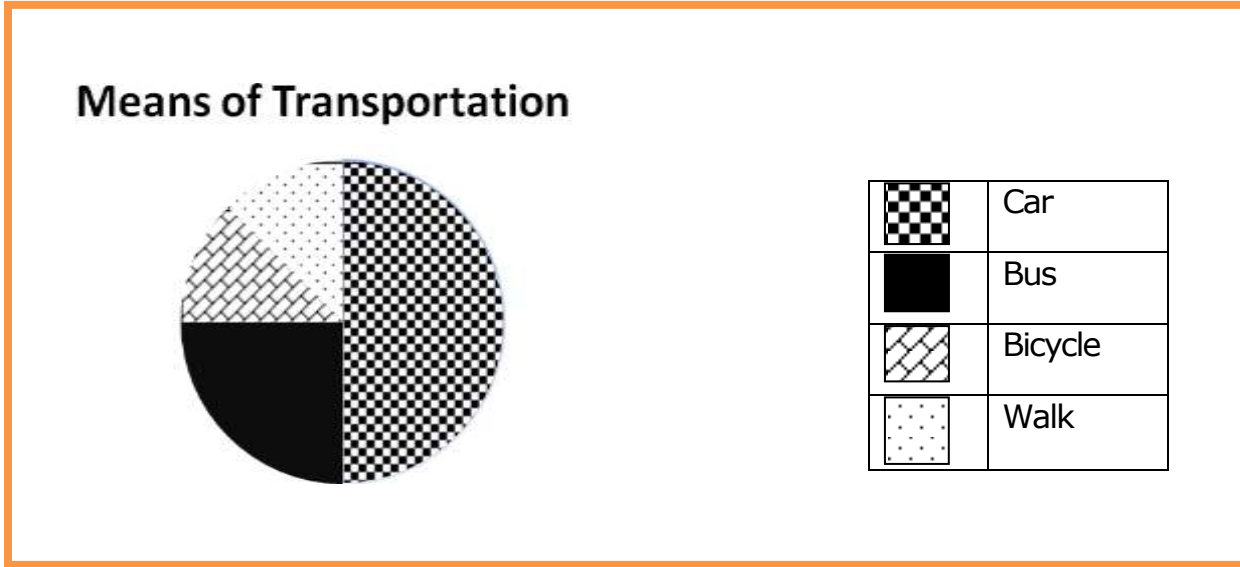
$$\begin{array}{|c|c|} \hline \square & \square \\ \hline \end{array} \times 3 = \begin{array}{|c|c|} \hline \square & \square \\ \hline \end{array}$$

(2 marks)

Section 2 Problem Solving (30 Marks)

Answer **ANY THREE** questions in this section. Clearly show **ALL** your working in the space provided after each question. (10 marks each)

4. The pie chart below shows by what means children travel to school.



(a) What fraction shows the number of children who:

- i. walk to school _____
- ii. travel by car _____
- iii. travel by bicycle _____
- iv. travel by bus _____

(4 marks)

(b) By how much is the fraction of children who travel by bus larger than the fraction who travel by bicycle?

_____ (1 mark)

(c) In a class of 40 pupils, $\frac{2}{5}$ did mathematics only. $\frac{1}{4}$ did science only and the other pupils were assigned to other subjects.

i. What fraction of the class was assigned to other subjects?

ii. How many students did mathematics only?

iii. How many students did science only?

_____ (5 marks)

Sharon's 50% Sale
The items below are shown at the sale price.

Blouse	Dress	Shoes
		
		

<p>5. The brochure above shows the prices of the items after the prices were reduced.</p> <p>(a) What was the price of the items before the sale?</p> <p>i. Blouse _____</p> <p>ii. Dress _____</p> <p>iii. Shoes _____</p> <p style="text-align: right;">(6 marks)</p>	<p>(b) If Carmen's mother bought her two dresses, a pair of shoes and a blouse, how much would she spend?</p> <p style="text-align: right;">_____</p> <p>(c) If her mother used her cheque of \$525.25 to purchase the items, how much change would she receive?</p> <p style="text-align: right;">_____</p> <p style="text-align: right;">(4 marks)</p>
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6. (a) Father packed a bag with 3 packs of brown sugar with masses of 2.6kg, 950g and 1.2kg.

i. What is the **difference** in mass between the lightest and the heaviest pack of sugar?

(3 marks)

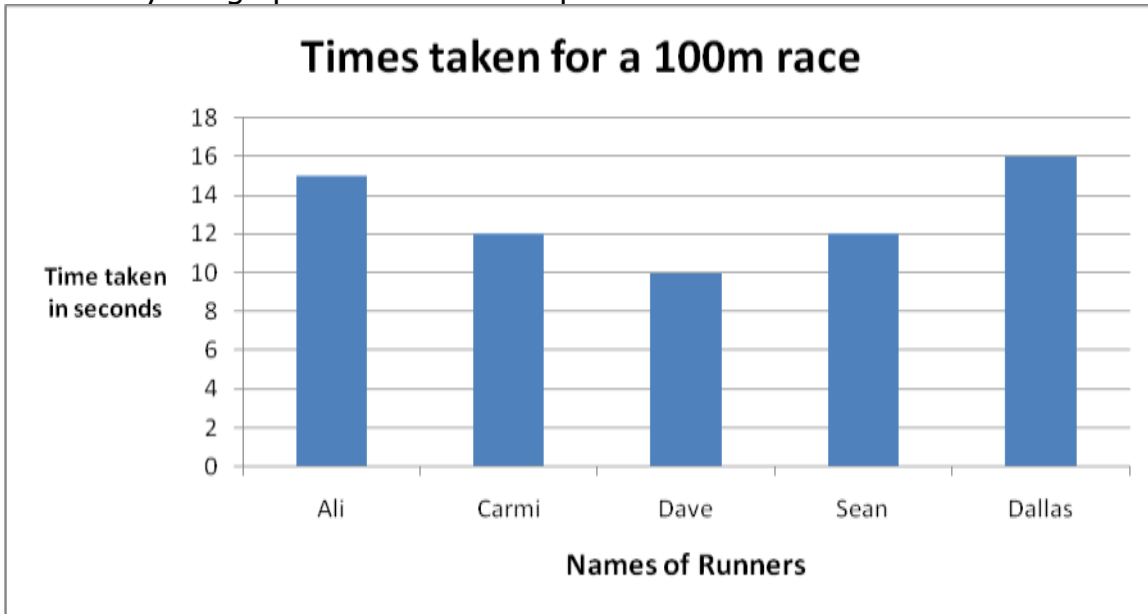
ii. What is the total mass of the three packs of brown sugar?

(3 marks)

(b) Ten trees are planted in a straight line at equal distances apart. If the distance between any two trees which are beside each other is 8m, what is the distance between the first and last tree?

(4 marks)

7. The graph below shows the time taken by 5 boys to run 100m during the sports meet. Study the graph and answer the questions that follow.



i. How long did Ali take to run this race?

_____ (1 mark)

ii. Who is the fastest runner?

_____ (1 mark)

iii. Who is the slowest runner?

_____ (1 mark)

iv. What is the difference in time between the fastest and slowest runner?

_____ (2 marks)

v. Which two boys tied in the race?

_____ (1 mark)

vi. How long did the race last?

_____ (1 mark)

vii. What was the average time taken by the 5 boys?

_____ (3 marks)

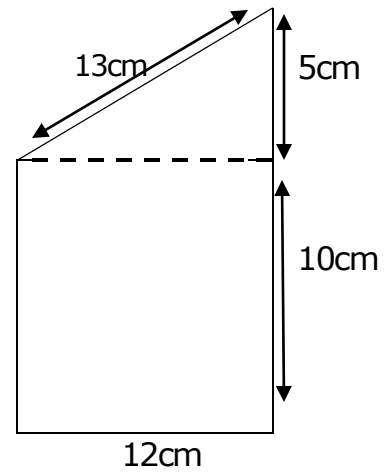
8. (a) Mrs. Burton lives in Barbuda. She has to travel to the United States of America on business.

The currency exchange rate is \$2.70 Eastern Caribbean dollars for \$1.00 US. She has \$11,000.00 EC dollars.

How many US dollars will she receive?

(3 marks)

(b) Use the figure below to calculate:



i. its perimeter

(3 marks)

ii. its area

(4 marks)