Name: _____ (   )

Class: Primary 6 _____

CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)

Primary 6 Mathematics

2023 Weighted Assessment

Term 1 Week 9

Total Marks	
	30

_____
Parent's/Guardian's Signature

Time : 50 minutes

INSTRUCTIONS TO CANDIDATES

Do not turn over this page until you are told to do so.
Follow all instructions carefully.
Answer all questions.
Write your answers in this booklet.
The use of an approved calculator is expected, where appropriate.

This booklet consists of 9 printed pages.

Questions **1** and **2** carry 2 marks each. Show your working clearly and write your answers in the spaces provided. For questions which require units, give your answers in the units stated.   (4 marks)

1. Mr Lee has $6000 in his bank account. The bank gives 0.3% interest at the end of each year. He does not withdraw any of his savings. What is the total amount of money he will have in the bank at the end of one year?

    Ans : $ _____

2. A group of 4 girls and 3 boys took a quiz. The average score of the girls was 28. The average score of the boys was 27. Find the total score of all the children.
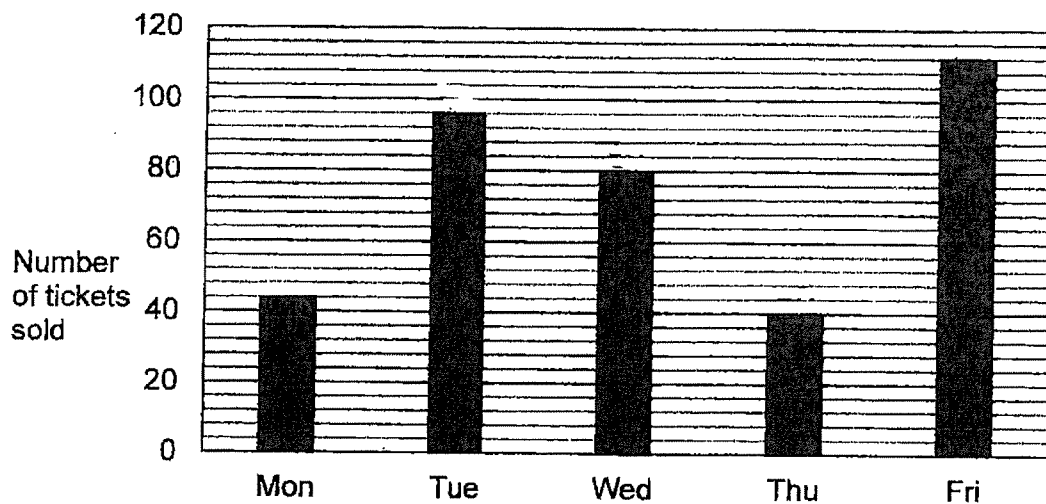
    Ans : _____

For questions **3** to **9**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in the brackets ( ) at the end of each question or part-question.   (26 marks)

3.   The graph below shows the number of tickets sold for a basketball match from Monday to Friday.

(a)   What was the total number of tickets sold from Monday to Wednesday?
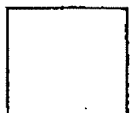
Ans : (a) _____ [1]

(b)   The usual price of a ticket was $70. On Friday, tickets were sold at a 5% discount. How much money was collected from the sale of tickets on Friday?

Ans : (b) _____ [2]

3

4. In a library, $\frac{3}{4}$ of the number of fiction books is equal to $\frac{1}{6}$ of the number of non-fiction books. There are 5940 fiction and non-fiction books altogether. How many fiction books are there in the library?
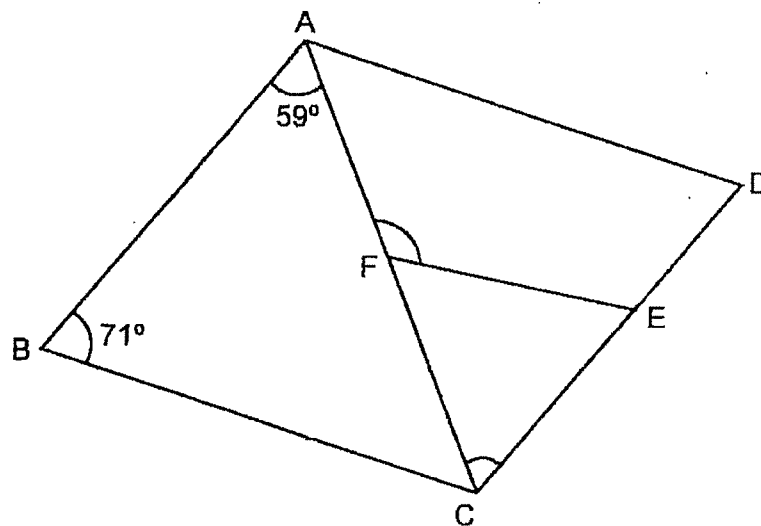
Ans : _____ [3]

4

115

5. ABCD is a parallelogram. CFE is an isosceles triangle with CF = EF. AFC is a straight line.
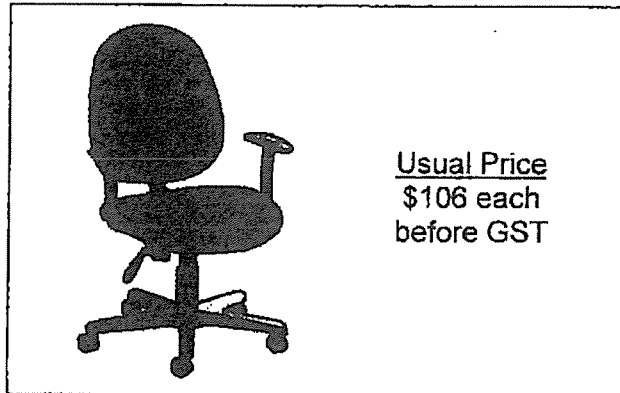
(a) Find ∠AFE.

Ans : (a) _____ [2]

(b) Each statement below is either true, false or not possible to tell from the information given. For each statement, put a tick (✓) in the correct column.

Statement	True	False	Not possible to tell
AFED is a trapezium.			
∠ACD = ∠ADC.			

[1]

6. At a furniture shop, office chairs are sold at the price shown.

Usual Price
$106 each
before GST

During a sale in October, the shop offered a 25% discount on the office chair.

(a) What was the discount given for each office chair?

Ans : (a) _____ [1]

(b) Karen had $550. What was the greatest number of chairs she could buy during the sale in October?

Ans : (b) _____ [2]

6

117

7. Xavier spent $\frac{2}{7}$ of his money on a laptop and a refrigerator. The refrigerator cost 2 times as much as the laptop. He spent $\frac{1}{3}$ of his remaining money on a vacuum cleaner. The laptop cost $1320 less than the vacuum cleaner.
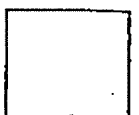
(a) What fraction of Xavier's money was spent on the laptop?

Ans : (a) _____ [1]

(b) How much money did he have at first?

Ans : (b) _____ [3]

7

8. Figure 1 shows a rectangular tile.

   Figure 2 is formed using 5 such tiles. The perimeter of Figure 2 is 360 cm.

Figure 1   Figure 2
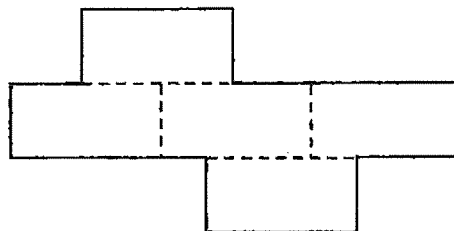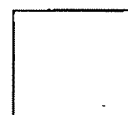
(a) Find the perimeter of Figure 1.

Ans : (a) _____ [2]

(b) The length of the rectangular tile was 3 times as long as its breadth.
    Find the area of the rectangular tile.

Ans : (b) _____ [3]

8

9. Devi had 180 butter buns and two times as many kaya buns in the morning. In the afternoon, she baked some butter buns and sold some kaya buns. The number of kaya buns sold was 5 times of the number of butter buns baked. She had the same number of butter buns and kaya buns in the end.

(a)   How many butter buns did Devi bake in the afternoon?
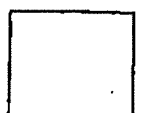
Ans : (a) _____ [1]

(b)   How many buns did Devi have altogether in the end?

Ans : (b) _____ [2]

(c)   The remaining buns were sold at $2.20 each and 1 bun was given free for every 3 buns bought. Mr Poh wanted to get 13 buns. How much money did he need to pay in total?

Ans : (c) _____ [2]

THE END

YEAR   :   2023
LEVEL   :   PRIMARY 6
SCHOOL : CHIJ ST NICHOLAS GIRLS' SCHOOL (PRIMARY)
SUBJECT : MATHEMATICS
TERM   : 2023 WEIGHTED ASSESSMENT (TERM 1 WEEK 9)

WEIGHTED ASSESSMENT

Q1		Q2	
Q1	$0.3\% = \frac{0.3}{100}$ $6000 \times \frac{0.3}{100} = 18$ $6000 + 18 = \$6018$	Q2	$28 \times 4 = 112$ $27 \times 3 = 81$ $112 + 87 = 193$
Q3	(a) $44 + 96 + 80 = 220$ (b) $70 \times \frac{5}{100} = 3.5$ $70 - 3.5 = 66.5$ $66.5 \times 112 = \$7448$	Q4	$\frac{1}{6} = \frac{3}{18}$ $18 + 4 = 22$ $5940 \div 22 = 270$ $270 \times 4 = 1080$
Q5	(a) BAC = ACE = 59° $59 + 59 = 118$ $180 - 118 = 62$ $180 - 62 = 118$ AFE = 118° (b) <table><tr><td>False</td></tr><tr><td>False</td></tr></table>	Q6	(a) $106 \times \frac{25}{100} = \$26.50$ (b) $106 - 26.5 = 79.5$ $550 \div 79.5 = 6R73$ Ans: 6
Q7	(a) $\frac{2}{7} = \frac{6}{21}$ $6 \div 3 = 2$ Ans : $\frac{2}{21}$ (b) $2 \times 2 = 4$ $21 - 6 = 15$ $5 - 2 = 3$ $1320 \div 3 = 440$ $440 \times 21 = \$9240$	Q8	(a) $1 + 1 = 2$ $4 \div 2 = 2$ $5 - 2 = 3$ $360 \div 3 = 120$cm (b) $3 + 1 = 4$ $4 + 4 = 8$ $120 \div 8 = 15$ $15 \times 3 = 45$ $45 \times 15 = 675$cm^2
Q9	(a) $180 \times 2 = 360$ $360 - 180 = 180$ $5 + 1 = 6$ $180 \div 6 = 30$ (b) $180 + 30 = 210$ $210 + 210 = 420$ (c) $3 + 1 = 4$ $13 \div 4 = 3R1$ $3 \times 2.20 = 6.60$ $6.6 \times 3 = 19.8$ $19.8 + 2.2 = \$22$		