RAFFLES GIRLS' PRIMARY SCHOOL
WEIGHTED ASSESSMENT 2 2025
MATHEMATICS
PRIMARY 6

Name: _____ ( )

Form Class: P6 _____ Math Teacher: _____

Date: _____ May 2025 Duration: 50 minutes

Your Total Score (Out of 30 marks)	
Parent's Signature	

INSTRUCTIONS TO CANDIDATES

1. Do not turn over this page until you are told to do so.
2. Follow all instructions carefully.
3. Answer **ALL** questions and show all working clearly.
4. The use of calculator is allowed for this paper.

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Questions **1** to **9** 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. [18 marks]

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1. The table shows the number of ovens sold from April to June.

Month	Number of ovens sold
April	32
May	48
June	28

(a) Find the ratio of the number of ovens sold in April to the number of ovens sold in May.
Give your answer in the simplest form.

Ans: (a) _____ [1]

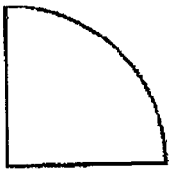
(b) Express the number of ovens sold in June as a fraction of the total number of ovens sold.
Give your answer in the simplest form.

Ans: (b) _____ [1]

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2. Find the perimeter of the quarter circle of radius 42 cm.

(Take $\pi = \frac{22}{7}$)



Ans: _____ cm [2]

3. 85% of the audience at a concert were children and the rest were adults. There were 136 children. How many people were there at the concert altogether?

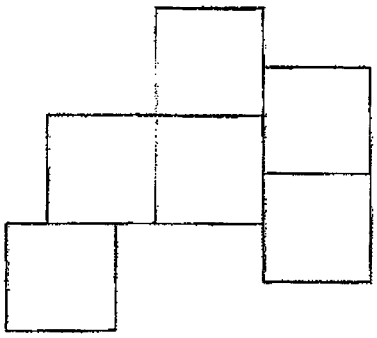
Ans: _____ [2]

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4. The number of books in a class library decreased from 90 to 72. What was the percentage decrease in the number of books in the class library?

Ans: _____ % [2]

5. The figure is made up of 6 identical squares, each of side 4 cm. What is the perimeter of the figure?



Ans: _____ cm [2]

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6. There are pink, blue and white ribbons in a bag. There are twice as many pink ribbons as blue ribbons. The number of pink ribbons is $\frac{6}{7}$ of the number of white ribbons. What is the ratio of the number of blue to white ribbons?

Ans: _____ [2]

7. Jamie deposited a sum of money into a savings account at the beginning of the year. The interest was 2% per year. She received $112 interest after 1 year. How much did Jamie deposit into the savings account?

Ans: $ _____ [2]

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8. Haruz had some blue and yellow balloons in the ratio 5 : 9. He threw away 6 yellow balloons which had burst. Then, he bought 6 blue balloons. In the end, the number of blue and yellow balloons was in the ratio 3 : 4. How many balloons did he have altogether?

Ans: _____ [2]

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9. Some adults and children visited the safari over 2 days. The ratio of the number of adults to children on day 1 was 5 : 3. The ratio of the number of adults to children on day 2 was 3 : 1. There were 4 times as many visitors on day 1 as on day 2. The total number of visitors over both days was more than 1755. What was the smallest possible number of children on day 2?

Ans: _____ [2]

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For questions **10** to **12**, 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. [12 marks]

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10. Mr Lee sold 6 more cars in 2018 than in 2017. This was an increase of 20% compared to 2017.

(a) How many cars did Mr Lee sell in 2017?

Ans: (a) _____ [1]

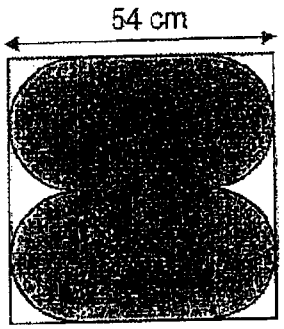
(b) Mr Lee sold 25% less cars in 2019 compared to 2018. How many cars did he sell in 2019?

Ans: (b) _____ [2]

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11. The figure is made up of 4 semicircles and a rectangle inside a square of side 54 cm.

(Take $\pi = 3.14$)



(a) What is the radius of each semi-circle?

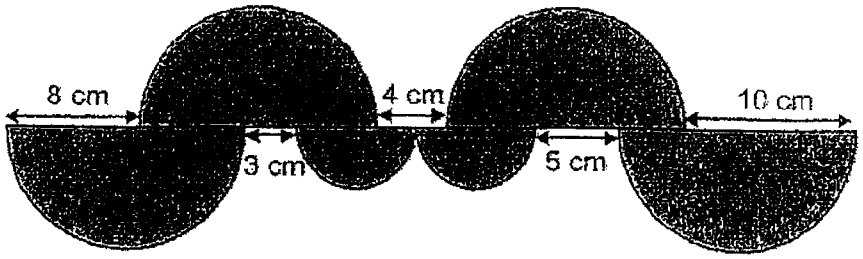
Ans: (a) _____ [1]

(b) Find the total area of the shaded parts.

Ans: (b) _____ [3]

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12. The figure is formed by 2 small semicircles and 4 big semicircles. The diameter of the big semicircle is twice that of the small semicircle.



(a) What is the diameter of the big semicircle?

Ans: (a) _____ [2]

(b) Use the calculator value of π to find the perimeter of the figure. Round your answer to 1 decimal place.

Ans: (b) _____ [3]

END OF PAPER

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YEAR : 2025
LEVEL : PRIMARY 6
SCHOOL : RAFFLES GIRLS' PRIMARY SCHOOL
SUBJECT : MATHEMATICS
TERM : WEIGHTED ASSESSMENT 2

Q1	a)	A : M 32 : 48 2 : 3
	b)	32 + 48 + 28 = 108 $\frac{28}{108} = \frac{7}{27}$
Q2		42 x 2 = 84 $\frac{1}{4} \times \frac{22}{7} \times 84 = 66$ 84 + 66 = 150 cm
Q3		136 ÷ 85 = 1.6 100 – 85 = 15 15 x 1.6 = 24 24 + 136 = 160
Q4		90 – 72 = 18 $\frac{18}{90} \times 100 = 20\%$
Q5		4 x 4 = 16 16 x 6 = 96
Q6		P : B 2 : 1 6 : 3 P : W 6 : 7 B : W 3 : 7
Q7		112 ÷ 2 = 56 56 x 100 = $5600
Q8		Before : B : Y : T 5 : 9 : 14 After : 6 : 8 : 14 9 – 8 = 1 1u = 6 balloon 14 x 6 = 84
Q9		Day 1 : A : C : T 10 : 6 : 16 Day 2 : 3 : 1 : 4

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		4 x 4 = 16 1755 + 1 = 1756 16 + 4 = 20 1756 ÷ 20 = 87.8 x 1756 + 1 = 1757 1757 ÷ 20 = 87.85 x 1757 + 1 = 1758 1758 ÷ 20 = 87.9 x 1758 + 1 = 1759 1759 ÷ 20 = 87.95 x 1759 + 1 = 1760 1760 ÷ 20 = 88 88 x 1 = 88
Q10	a)	2017 = 100% 2018 = 120% 20% = 6 100% = 6 x 5 = 30 cars
	b)	2018 = 100% 2019 = 75% 100 – 25 = 75 30 + 6 = 36 $\frac{75}{100}$ x 36 = 27
Q11	a)	54 ÷ 4 = 13.5cm
	b)	$\frac{1}{2}$ x 3.14 x 13.5 x 13.5 = 286.1325 286.1325 x 4 = 1144.53 13.5 x 2 = 27 54 – 27 = 27 27 x 54 = 1458 1458 + 1144.53 = 2602.53cm^2
Q12	a)	a – 10 = e e + 5 + b = a b + 4 + c = a c + d + 3 = a 8 + d = a 14 + 14 + 14 = 42 42 + 8 = 50 E + e + b + b + c + c + d + d + 8 + 4 + 5 + 3 = 5a 10 + 8 + 4 + 5 + 3 = 30 5a – 30 = e + e + b + b + c + c + d + d $\frac{5a-30}{2}$ = e + b + c + d = 2.5a – 15 2.5a – 15 + 30 = 2.5a + 15 15 – 8 = 7 7 x 2 = 14
	b)	$\frac{1}{2}$ x π x 14 = 7 π

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		$7\pi \times 4 = 28\pi$ $14 \div 2 = 7$ $\frac{1}{2} \times \pi \times 7 = 3.5\pi$ $3.5\pi \times 2 = 7\pi$ $28\pi + 7\pi = 35\pi$ $3 + 4 + 5 + 10 + 8 = 30$ $35\pi + 30 = 140\text{cm}$

3

END

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