Catholic High School (Primary)
Primary 6 Mathematics 2025
Non-Weighted Weighted Assessment 2

NAME : _____( ) DATE : _____

CLASS : _____

PARENT'S SIGNATURE : _____

30

Questions **1** to **6** 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. All diagrams are not drawn to scale. (12 marks)

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1. A bowl of noodles at a restaurant cost $27.25 including 9% GST. Find the cost of the bowl of noodles before GST.

Ans: $_____

2. The radius of a circle is 21 cm. Find the circumference of the circle. Leave your answer in terms of π

Ans: _____cm

(Go on to the next page)

3. A rectangular piece of paper is folded along the dotted line as shown. Find ∠p.

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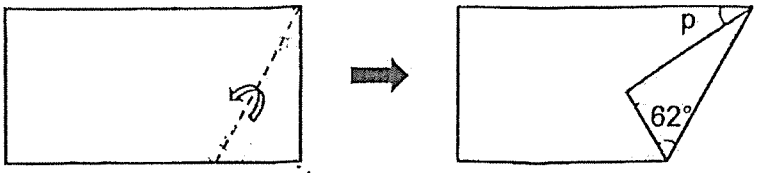

Before folding

After folding

Ans: _____ °

4. The usual price of a watch is $320. After a 20% discount, how much does the watch cost?

Ans: $_____

5. ABCD is a square. CEFD is a rhombus. AGF and CGD are straight lines. $\angle GDF = 44°$. Find $\angle GFD$.

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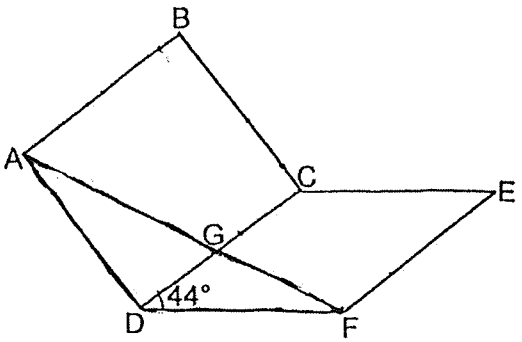

Ans: _____ °

6. The diameter of a circle is 70 cm. Find the area of the circle. Take $\pi = \frac{22}{7}$

Ans: _____ cm^2

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For questions **7** to **11**, show your working clearly in the space provided for each question and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question.
(18 marks)

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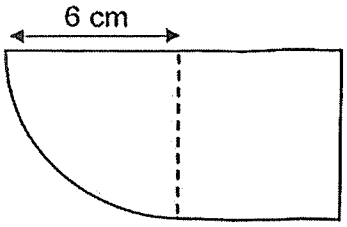
7. The figure is made up of a quarter circle and a square. Find the area of the figure. Take $\pi = 3.14$.



Ans: _____ [3]

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8. EFGH is a parallelogram and EBHA is a trapezium. AE is parallel to HB. $\angle AEH = 34°$, $\angle EBH = 76°$, $\angle FGH = 108°$. Find $\angle BEF$.

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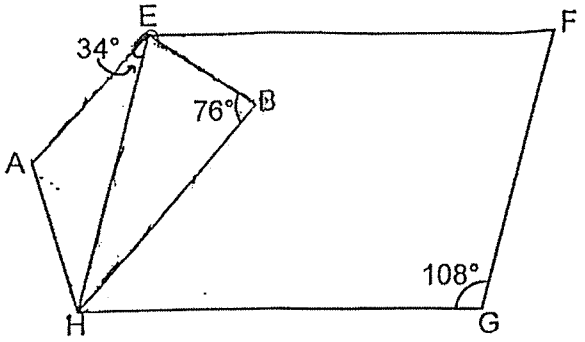

Ans: _____ [3]

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9. The figure shows a rectangle and two identical semicircles. The length of the rectangle is 24 m and the radius of each semicircle is 4 m. Find the perimeter of the figure. Take $\pi = 3.14$

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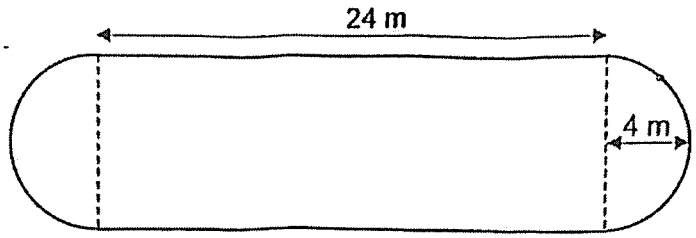

Ans: _____ [3]

10. The number of people who visited a museum in February increased by 20% when compared to January. The number of people who visited the same museum in March decreased by 5% when compared to February. 855 people visited the museum in March. How many people visited the museum in January?

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Ans: _____ [4]

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11. There were 140 pupils in an Art Club at first. 40% of the pupils were girls and the rest were boys. After some girls left the Art Club, 20% of the number of pupils who remained in the Art Club were girls.

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(a) How many pupils in the Art Club were boys?

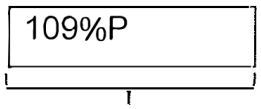
Ans: _____ [1]

(b) How many girls left the Art Club?

Ans: _____ [4]

END OF PAPER

SCHOOL : CATHOLIC HIGH SCHOOL
LEVEL : PRIMARY 6
SUBJECT : MATHEMATICS
TERM : 2025 WEIGHTED ASSESSMENT 2

Q1	 109% P = 27.25 $1\%\ P = \frac{27.25}{109}$ 100%P = $25
Q2	21 × 2 = 42 42 × π = 42π
Q3	180° − 90° − 62° = 28° 90° − 28° − 28° = 34°
Q4	$\frac{80}{100} \times 320 = 256$
Q5	$\frac{180° - 134°}{2} = 23°$
Q6	70 ÷ 2 = 35 → radius $\frac{22}{7} \times 35 \times 35 = 3850$
Q7	Area = $\frac{1}{4} \times \pi \times r \times r + 6 \times 6$ = $\frac{1}{4} \times 3.14 \times 6 \times 6 + 36 = 64.26\text{cm}^2$
Q8	∠AEB + ∠EBH = 180° 180° − 76° − 34° = 70° 108° − 70° = 38°
Q9	D = 4 × 2 = 8 P = 0 + 48 = 8π + 48 = 73.12

Q10	95%P = 855 $1\%\ \mathrm{P} = \frac{855}{95}$ $100\%\ \mathrm{P} = \frac{855}{95} \times 100 = 900$ 120%V = 900 $1\%\ \mathrm{V} = \frac{900}{120}$ $100\%\ \mathrm{V} = \frac{900}{120} \times 100 = 750$
Q11	(a) $\frac{60}{100} \times 140 = 84$ (b) 80u = 84 $1u = \frac{84}{80}$ $20u = \frac{84}{80} \times 20 = 21$ 140 − 84 = 56 56 − 21 = 35