Methodist Girls' School (Primary)
Primary 6 Mathematics
Weighted Assessment 1 2024

Name: _____ _____ ( ) **Date:** _____

Class: Primary 6. _____

30

Question **1** and **2** carry 1 mark each. Questions **3** to **5** carry 2 marks each.
For each question, four options are given. One of them is the correct answer.
Make your choice (1, 2, 3 or 4) and shade your answer accordingly below.

(8 marks)

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1 Which of the following fractions is greater than $\frac{2}{3}$?

(1) $\frac{3}{5}$

(2) $\frac{5}{7}$

(3) $\frac{6}{9}$

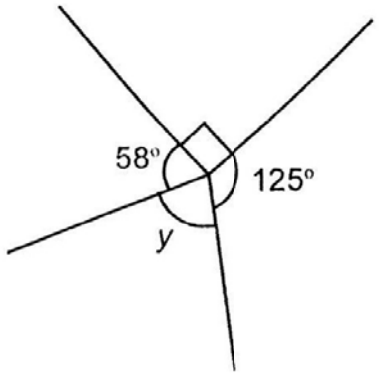
(4) $\frac{7}{11}$

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2 Find $\angle y$.



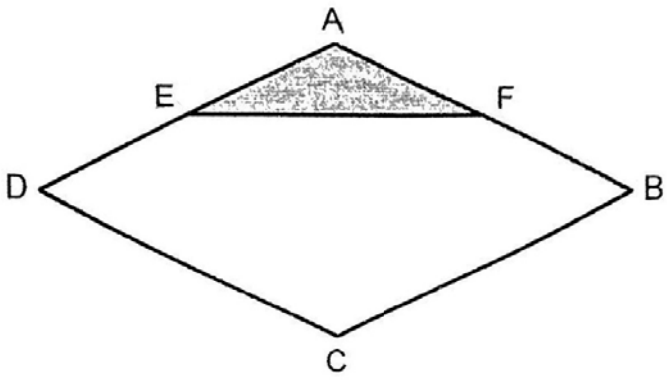
(1) 58°

(2) 90°

(3) 87°

(4) 122°

3 ABCD is a rhombus. E and F are midpoints of the 2 sides of the rhombus. What fraction of the rhombus is shaded?



(1) $\frac{1}{3}$

(2) $\frac{1}{4}$

(3) $\frac{1}{6}$

(4) $\frac{1}{8}$

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4 Mr Lim had a sum of money. He gave $\frac{2}{5}$ of the money to his son and shared the remainder equally between his 2 daughters. What fraction of the sum of money did each of his 2 daughters receive?

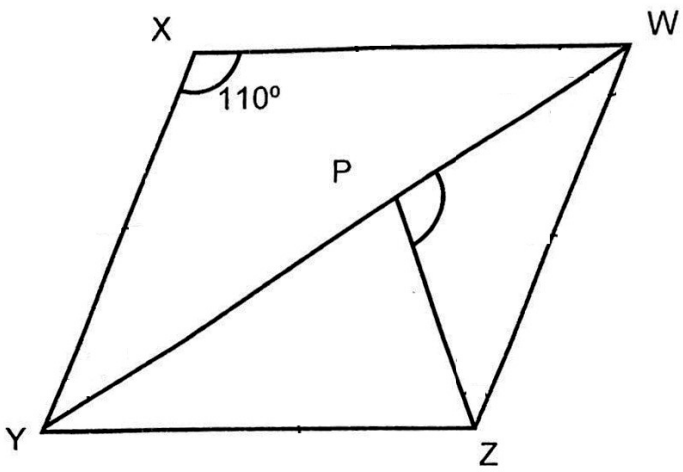
(1) $\frac{3}{10}$

(2) $\frac{1}{5}$

(3) $\frac{3}{5}$

(4) $\frac{5}{6}$

5 WXYZ is a rhombus. $\angle PWZ$ is $\frac{5}{7}$ of $\angle PZW$. Find $\angle WPZ$.



(1) 90°

(2) 96°

(3) 110°

(4) 120°

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Questions **6** to **9** carry 1 mark each. Questions **10** to **14** carry 2 marks each. Show your workings clearly in the space below each question and write your answers in the answer spaces provided. For questions which require units, give your answers in the units stated. (14 marks)

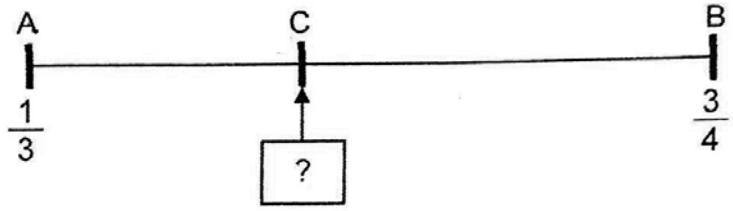
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6 Arrange the following from the smallest to the largest.

$$1\frac{1}{6},\quad 1.2,\quad \frac{8}{7}$$

Ans: _____

7 AC is $\frac{2}{3}$ of CB. What fraction is represented at C?



Ans: _____

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8 In a class library, $\frac{3}{5}$ are fiction books and the rest are non-fiction books. $\frac{1}{3}$ of the non-fiction books are magazines. The rest of the non-fiction books are historical books. What fraction of the class library books are historical books?

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Ans: _____

9 Mary bought $\frac{9}{10}$ m of ribbon. She used $\frac{5}{6}$ of it to tie a present. With the remaining ribbon, she used it make 3 bows. How much ribbon was used to make 1 bow?

Ans: _____ m

10 Mrs Wong bought $\frac{7}{8}$ kg of flour to bake some cakes. She needs 0.25 kg of flour for 1 cake. What is the mass of flour left?

After baking as many cakes as possible.

Ans: _____ kg

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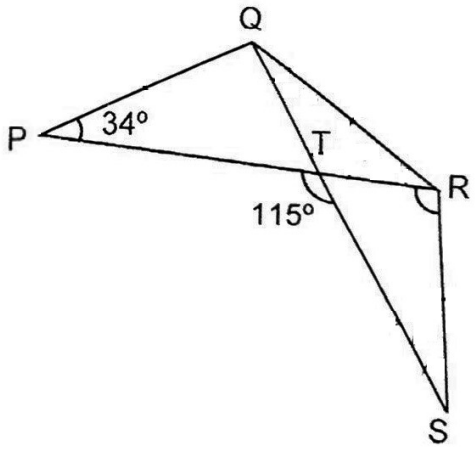
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11 Andrew, Chris, Jeremy and Glen sold some funfair tickets. Both Andrew and Glen sold $\frac{1}{5}$ of the tickets each. Chris sold 12 tickets more than Andrew and Jeremy sold 30 tickets. How many tickets did they sell altogether?

Ans: _____

12 In the figure, PTR and QTS are straight lines. PQ = QR = RS. Find ∠TRS.



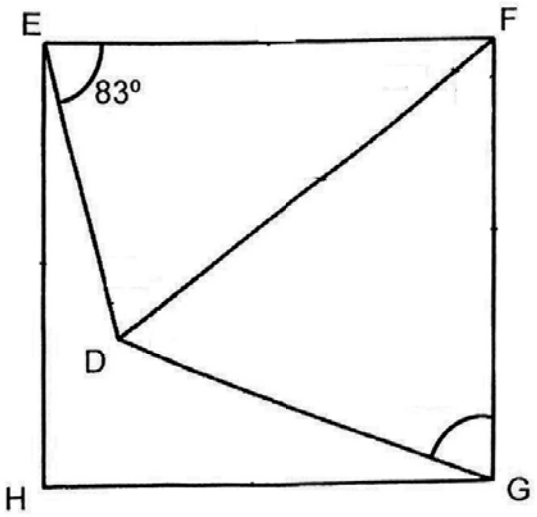
Ans: _____ °

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13 In the figure, EFGH is a square. EF = FD and $\angle DEF = 83^\circ$. Find $\angle FGD$.

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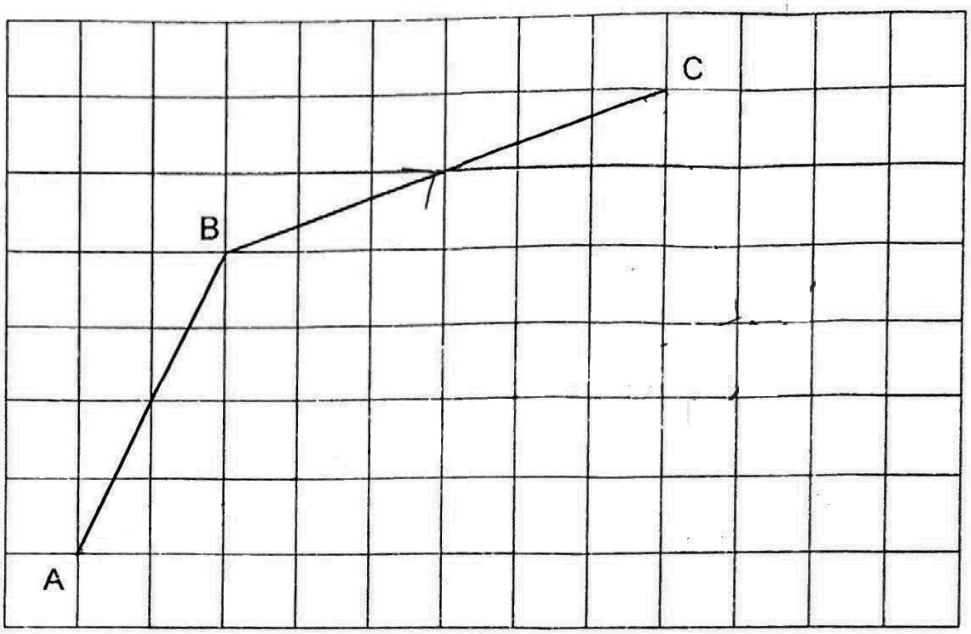
Ans: _____ °

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14 In the square grid below, AB and BC form 2 sides of a trapezium.
BC is parallel to AD. ∠BCD is a right angle.
Complete the drawing of the trapezium ABCD in the grid below.

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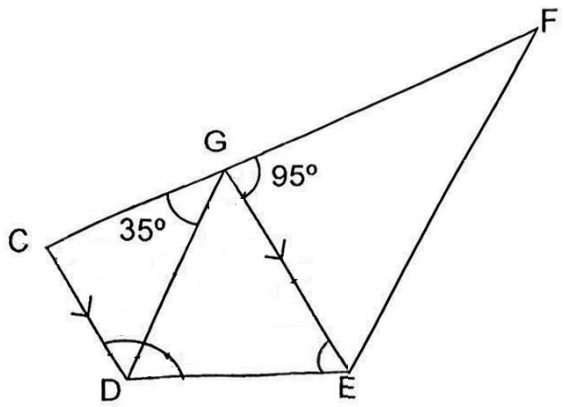
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For questions **15 and 16**, show your working clearly and write your answers in the spaces provided. The number of marks available is shown in brackets [ ] at the end of each question or part-question. (8 marks)

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15 In the figure, CD is parallel to GE and GD = GE. CGF is a straight line.



(a) Name a trapezium.

Ans: (a) _____ [1]

(b) Name a pair of angles in the figure above that add up to 180°

Ans: (b) _____ [1]

(c) Find ∠CDE.

Ans: (c) _____ [2]

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16 Ali, Bala and Charles had 60 marbles altogether. Ali gave $\frac{3}{10}$ of his marbles to Bala and $\frac{1}{5}$ of his marbles to Charles. In the end, all 3 boys had the same number of marbles.

Do not write in this space

(a) Who had more marbles at first, Bala or Charles? How many more?

Ans: (a) Name of child: _____

Number of marbles: _____ [3]

(b) What fraction of the total number of marbles did Bala have at first?

Ans: (b) _____ [1]

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