Mathematics Practice Paper

Level Two

Name: _____ _____ Class: G.4 _____ Marks: _____

Date: _____ Time allowed: 60 minutes Parent's Signature: _____

A. Answer the following. (2 marks @ 20 marks)

1. Convert $\frac{47}{8}$ into a mixed number. 1. _____
2. Convert $8\frac{5}{7}$ into an improper fraction. 2. _____
3. Convert 4.375 into a mixed number. 3. _____
4. Arrange 0.9, $\frac{19}{20}$ and $\frac{5}{3}$ in ascending order. 4. _____
5. Arrange $\frac{7}{4}$, 1.8 and $1\frac{7}{9}$ in descending order. 5. _____
6. Arrange $\frac{11}{20}$, 0.54 and $\frac{5}{9}$ in ascending order. 6. _____
7. Round off 3975280 to the nearest ten thousand. 7. _____
8. Find the L.C.M. of 16, 24 and 40. 8. _____
9. 4.005 km = _____ km _____ m 9. _____ km _____ m
10. Find the value of $7x - 2y + 5$ when $x = 6$ and $y = 8$. 10. _____

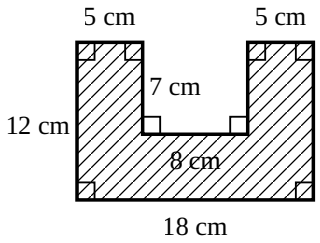
B. Calculate. (2 marks @ 20 marks)

1. $2\frac{5}{6} + 3\frac{3}{4}$ 1. _____
2. $8\frac{1}{5} - 3\frac{2}{3}$ 2. _____
3. $5\frac{1}{3} - 2\frac{3}{4} + 1\frac{5}{6}$ 3. _____
4. $2\frac{3}{5} + 1\frac{7}{10} - 3\frac{1}{4}$ 4. _____
5. $36 \times 25 + 25 \times 44 - 25 \times 20$ 5. _____
6. $(480 - 165) \div (8 \times 6 - 13) \times 8$ 6. _____
7. $45 = ◆ \div 9 - 11$; ◆ = ? 7. _____
8. $\frac{15}{●} = \frac{25}{40}$; ● = ? 8. _____
9. $503 \div ◎ = 19 \ldots 9$; ◎ = ? 9. _____
10. $5.76 \div 0.18$ 10. _____

C. Find the perimeters of the following shaded shapes. (2 marks @ 4 marks)

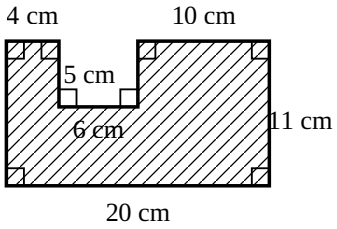
The shapes are not drawn to scale.

1.



Perimeter = _____ cm

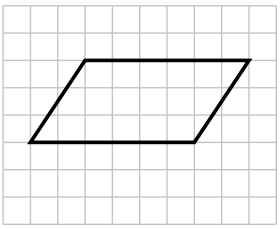
2.



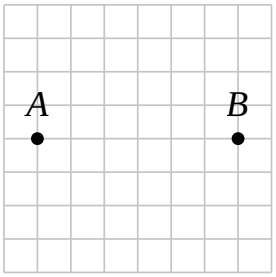
Perimeter = _____ cm

D. Drawing. (2 marks @ 4 marks)

1. Draw dotted lines to dissect the following shape into 1 rectangle and 2 identical right-angled triangles.



2. A and B are the ends of a diameter of a circle. Draw the circle.



E. Multiple Choice. Choose the BEST answer and write the correct LETTER in the boxes. (2 marks @ 12 marks)

1. Which of the following solids has 5 vertices, 8 edges and 5 faces? 1. ☐

   A. Triangular pyramid
   B. Square pyramid
   C. Triangular prism
   D. Cube

2. Which of the following is read as 'three hundred and five point zero seven'? 2. ☐

   A. 305.7
   B. 305.07
   C. 305.007
   D. 350.07

3. Which of the following has a value different from the others? 3. ☐

   A. 3.75
   B. $3\frac{3}{4}$
   C. $\frac{15}{4}$
   D. $3\frac{2}{5}$

4. Which of the following has the greatest value? 4. ☐

   A. $\frac{8}{7}$
   B. 1.1
   C. $\frac{12}{11}$
   D. 1.15

5. Which of the following numbers is a prime number? 5. ☐

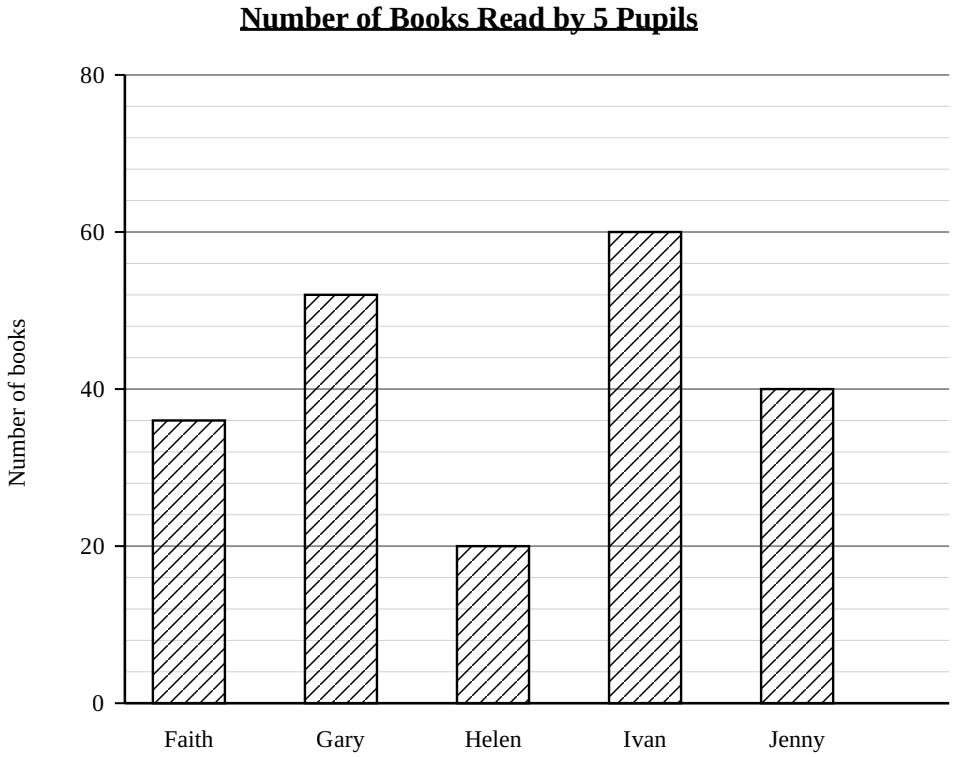
   A. 91
   B. 87
   C. 89
   D. 93

6. A triangular pyramid is cut by a plane parallel to its base. Which of the following is the shape of the cross-section? 6. ☐

   A. Triangle
   B. Square
   C. Rectangle
   D. Circle

F. Data Handling. (2 marks @ 10 marks)

The bar chart below shows the number of books read by 5 pupils.



Study the bar chart above and complete the following.

1. Each small unit on the bar chart represents _____ books.
2. Who read 16 fewer books than Gary? _____
3. The number of books Ivan read is _____ times that of Helen.
4. The total number of books read by Faith and Jenny is _____.
5. Each book costs $5. The total amount spent by Gary and Helen is $_____.

G. Give answers only. (3 marks @ 15 marks)

1. A bag of flour weighs $4\frac{1}{2}$ kg. A baker used $1\frac{3}{4}$ kg and then $\frac{5}{8}$ kg. How many kilograms of flour are left?

   1. _____ kg

2. A plane leaves London at 16:40 on Thursday. The flight time to Hong Kong is 11 hours 35 minutes. Hong Kong is 8 hours ahead of London. What is the local time and day in Hong Kong when the plane arrives?

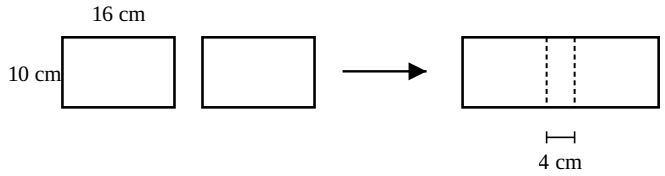
   2. _____

3. A 4.05 L bottle of juice is poured into smaller bottles. Each small bottle holds 600 mL. At least how many small bottles are needed to hold all the juice?

   3. _____ bottles

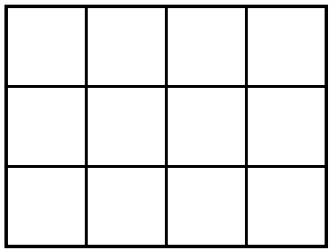
4. Mary sticks two identical rectangles of length 16 cm and width 10 cm together as shown below. The width of the overlapping part is 4 cm. What is the perimeter of the new rectangle?

4. _____ cm



*5. The figure below is a large rectangle formed by 12 identical small squares. The perimeter of the large rectangle is 84 cm. What is the perimeter of each small square?

5. _____ cm



H. Solve the problems and show all steps of calculation. (5 marks @ 15 marks)

1. A tank had $8\frac{1}{2}$ L of water. $2\frac{2}{5}$ L was used in the morning and $1\frac{3}{4}$ L was used in the afternoon. Then $3\frac{1}{5}$ L was added. How much water is in the tank now?

2. A rectangular garden is 28 m long. A fence around it costs $15 per metre and the total cost is $1800. There is a 4 m gate where no fence is needed. What is the width of the garden?

3. A shopkeeper bought 8 boxes of oranges, with 24 oranges in each box. He sold $\frac{5}{8}$ of them and threw away 16 rotten ones. How many oranges are left?

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