Mathematics Practice Paper

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

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

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

1. Convert $\frac{31}{6}$ into a mixed number. 1. _____
2. Convert $5\frac{2}{9}$ into an improper fraction. 2. _____
3. Convert 6.25 into a mixed number. 3. _____
4. Arrange 0.09, 0.9 and 0.109 in ascending order. 4. _____
5. Arrange $5\frac{1}{2}$, $\frac{23}{4}$ and 5.4 in descending order. 5. _____
6. Arrange $\frac{2}{5}$, 0.42 and $\frac{9}{25}$ in ascending order. 6. _____
7. Round off 365249 to the nearest thousand. 7. _____
8. Find the H.C.F. of 24 and 36. 8. _____
9. 2.07 km = _____ km _____ m 9. _____ km _____ m
10. Find the value of $6x + 9$ when $x = 4$. 10. _____

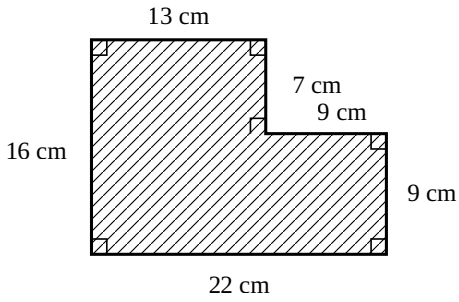
B. Calculate. (2 marks @ 20 marks)

1. $3\frac{5}{8} + 2\frac{1}{8}$ 1. _____
2. $6 - 2\frac{3}{7} - 1\frac{2}{7}$ 2. _____
3. $2\frac{1}{6} - 4\frac{5}{6} + 3\frac{1}{2}$ 3. _____
4. $1\frac{3}{10} + 2\frac{7}{10} - 3\frac{1}{5}$ 4. _____
5. $18 \times 25 + 32 \times 25 - 25 \times 10$ 5. _____
6. $(156 + 244) \times (96 \div 8 - 7)$ 6. _____
7. $56 = ◆ \div 7$; $◆ = ?$ 7. _____
8. $\frac{9}{●} = \frac{27}{48}$; $● = ?$ 8. _____
9. $275 \div ◎ = 17 \ldots 3$; $◎ = ?$ 9. _____
10. $7.2 \div 0.8$ 10. _____

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

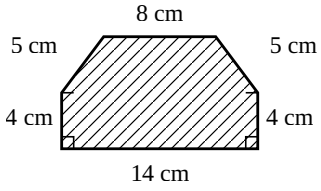
The shapes are not drawn to scale.

1.



Perimeter = _____ cm

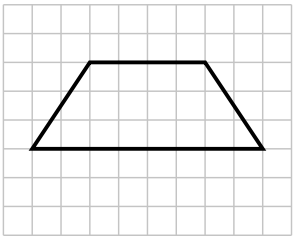
2.



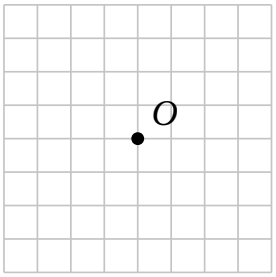
Perimeter = _____ cm

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. O is the centre of a circle. The radius of the circle is 3 grid units. 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 6 vertices, 9 edges and 5 faces? 1. ☐

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

2. Which of the following is read as ‘forty point zero six’? 2. ☐

   A. 40.6
   B. 40.06
   C. 40.006
   D. 4.06

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

   A. 2.25
   B. $2\frac{1}{4}$
   C. $\frac{9}{4}$
   D. $2\frac{2}{5}$

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

   A. 0.8
   B. $\frac{7}{9}$
   C. $\frac{5}{6}$
   D. 0.81

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

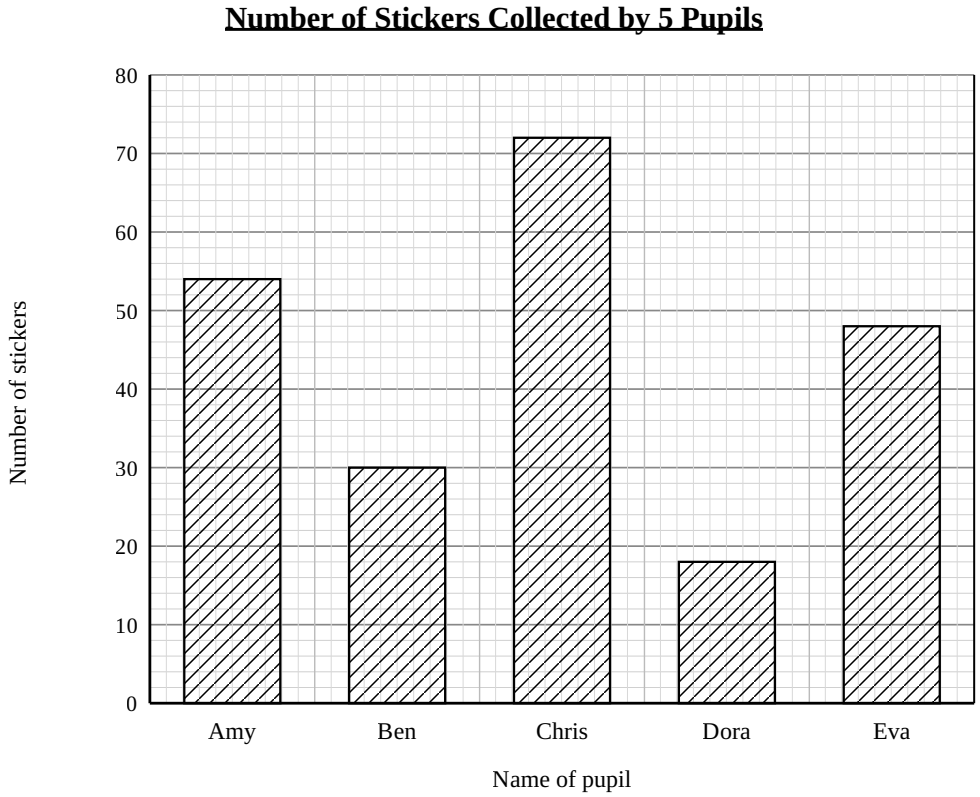
   A. 27
   B. 39
   C. 51
   D. 47

6. A square 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. Circle
   D. Pentagon

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

The bar chart below shows the number of stickers collected by 5 pupils.



Study the bar chart above and complete the following.

1. Each small unit on the bar chart represents _____ stickers.
2. The number of stickers Chris collected is 24 more than that of _____.
3. The number of stickers Amy collected is _____ times that of Dora.
4. The total number of stickers collected by Ben and Eva is _____.
5. Each sticker costs $2. The total amount spent by Chris and Dora is $_____.

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

1. A bottle of honey weighs $5\frac{1}{4}$ kg. A cook used $2\frac{5}{8}$ kg of it. How many kilograms of honey are left?

1. _____ kg

2. A plane leaves Hong Kong at 21:50 on Friday. The flight time to Sydney is 9 hours 25 minutes. Sydney is 2 hours ahead of Hong Kong. What is the local time and day in Sydney when the plane arrives?

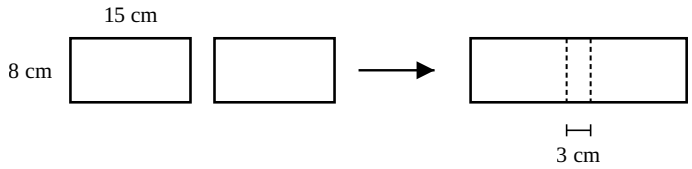
2. _____

3. A 2.5 L bottle of milk is poured into glasses. Each glass holds 400 mL. At least how many glasses are needed to hold all the milk?

3. _____ glasses

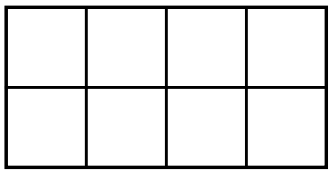
4. Tom sticks two identical rectangles of length 15 cm and width 8 cm together as shown below. The width of the overlapping part is 3 cm. What is the perimeter of the new rectangle?

4. _____ cm



*5. The figure below is a large rectangle formed by 8 identical small squares. The perimeter of the large rectangle is 72 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. Nancy had $3\frac{1}{2}$ L of paint. She used $1\frac{3}{4}$ L to paint a wall and then bought another $2\frac{1}{4}$ L. How many litres of paint does she have now?

2. Ms. Tang spends $2100 to put a fence around a rectangular playground. The length of the playground is 40 m and the cost of building the fence is $15 per metre. What is the width of the playground?

3. A roll of cloth is 12.5 m long. A tailor uses 3.6 m to make a dress and $2\frac{4}{5}$ m to make a pair of curtains. How many metres of cloth are left?

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