



Name: \_\_\_\_\_

Date: \_\_\_\_\_

School Name: \_\_\_\_\_

**General Instructions:**

**Read the instructions below before answering the following questions.**

1. This test contains 10 questions. Questions are taken from four strands:

- ✓ Number,
- ✓ Measurement,
- ✓ Geometry
- ✓ Statistics & Probability
- ✓ Algebra

Space is provided for you to answer each question.

2. Questions may be anyone of the following item type: Table Grid, Single/multiple Selected Response, complete work/explanation.

3. All questions must be answered in the provided space and remember to explain your answer where it is required.

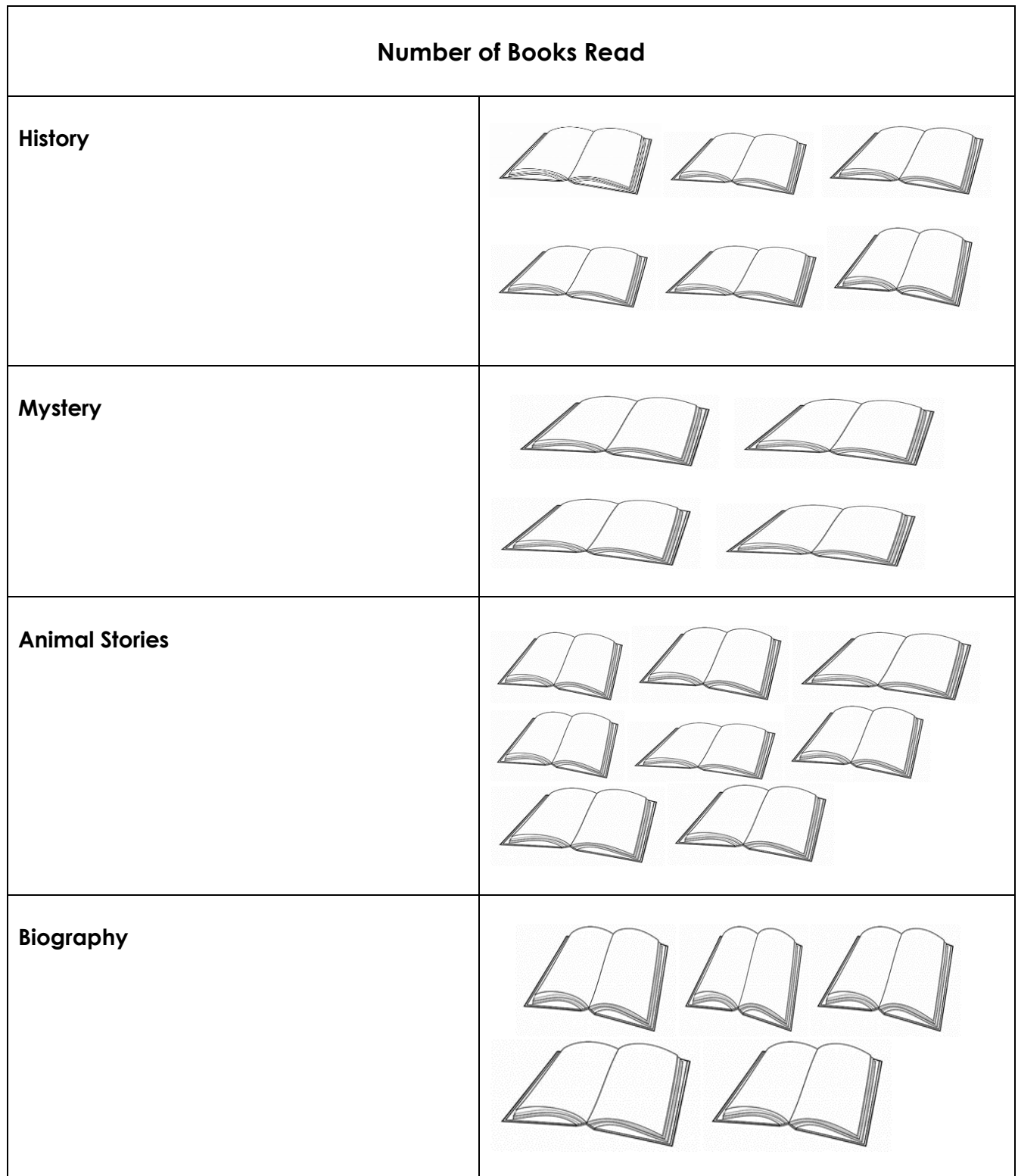
4. Read each question carefully. Then answer questions based on instructions given.

5. For each question, where options are given to choose from, indicate the answer(s) you have selected for each question by circling the corresponding letter from the given options.

**Answer ALL the questions as instructed.**



Use the pictograph below to answer the questions that follows.



. Each  represents 10 books.



1. How many more history books are there than mystery books? Show how you get your answer.

2. How many books were read in total? Show your work.

3. How many more biography books you will need to read to equal the number of history books?



4. Dahlia runs the same route each day. Her route takes her  $\frac{1}{4}$  kilometers on Free Hill Road and  $2\frac{3}{7}$  kilometers on Black Street. Use models to answer the question below.

How far does Dahlia run each day if she should return to where she started?

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5. Andrew and Mario have ponds in their backyards. Both boys were boasting about whose pond has more surface water. Andrew said the argument can be settled if they walk around each pond, while Mario said that will not work.
- A. Who is correct?

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- B. Explain why you chose Andrew's or Mario's statement.

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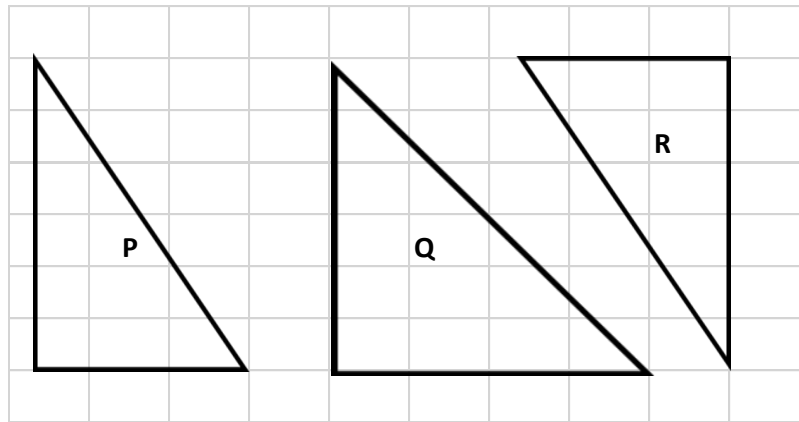
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6. Examine the diagram below very carefully then answer the question. Which two of the triangles in the diagram are congruent?



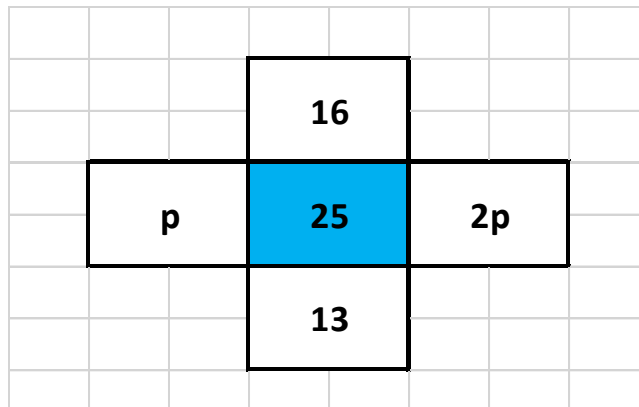
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7. The sum of the numbers vertically is the same as the sum of the numbers horizontally.



- A. Write an equation to represent the horizontal sum.

- B. Write an equation to represent the vertical sum.



C. Find the value of p.

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8. A joiner (furniture Maker) is making three types of stools for a hotel. He is to make some with four legs, some with three legs and some as pedestal seats with only one leg. If there are 45 stool legs in the joiner's shop, show three sets of stools that he can make, providing that he must make at least two of each.

What are the possible combinations of the three types of stools?




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9. Complete the table below.

Radius	Diameter	Circumference
7 cm		
	35 cm	
		154 m
	42 m	
70 cm		



10. Marlon saw 20 different animals in an old shed. There are dog(s), pigeon(s) and spider(s). If 60 legs are counted, which rows of animals could be true?

			Write True or False.
6	4	3	
2	4	10	
2	5	6	
2	6	3	