



New STAAR Format

Diagnostic Grade 3 Math

Name _____ Date _____

DIRECTIONS

Read each question carefully. Choose the best answer to each question.
For open-response questions, determine the best answer to the question.

1. Samantha and 5 of her friends are looking for weird science facts. During a search on the web, Samantha discovers the claim that if a person drilled a tunnel through Earth and jumped in, it would take 42 minutes and 12 seconds to fly out the other side. Which **TWO** statements are true?

- ☐ 42 is a prime number, and 12 is a composite number.
- ☐ 42 is a composite number, and 12 is a composite number.
- ☐ 5 is a prime number, and 42 is a composite number.
- ☐ 5 is a prime number, and 12 is a prime number.
- ☐ 42 is a composite number, and 12 is a prime number.

2. Look at the figure.



Select the correct answer to complete the sentence.

The figure is a ☐ triangular prism.
☐ rectangular

Complete the sentence by writing the correct answer in each box. Not all answers will be used.

2 8 5 6 9

This prism has faces, bases, edges, and vertices.

3. Luciana creates a table showing the number of pets owned by students in her class.

Pets Owned by Students

Pet	Number of Students
Dog	8
Cat	9
Bird	2
Fish	5
Horse	2
Goat	1
Sheep	1
Other	2

Use the data in the table to create a dot plot. Complete the dot plot by shading the circles to match the data in the chart.



How many more cats than fish are kept as pets by the students?
Record your answer in the space provided.

Put equal numbers of alpacas in each of two pens. How many alpacas will be in each pen? Select **TWO** correct answers in the boxes.

Second Pen

- ☐ A 6 sheep
- ☐ B 9 sheep
- ☐ C 2 alpacas
- ☐ D 3 alpacas

Third Pen

- ☐ A 6 sheep
- ☐ B 9 sheep
- ☐ C 2 alpacas
- ☐ D 3 alpacas

BE SURE YOU HAVE RECORDED ALL OF YOUR ANSWERS
IN THE TEST BOOKLET.



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CL Gary

A red circular graphic with a gradient, appearing as a semi-circle or a partial circle, located to the right of the 'CL Gary' text.

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