

ISTEP Parent Meeting 2018

What you
need to know

Table of Contents

- ISTEP+ Testing Dates
- Applied Skills - E/LA
- Applied Skills E/LA Sample Questions
- Applied Skills – Math
- Applied Skills Math Sample Questions
- College & Career Ready Online Assessment
- Technology Enhanced Question Examples
- Additional Resources
- How Can You Help?

ISTEP+ Testing Dates

- February 26th – March 4th

Applied Skills Part 1

- April 16th – May 4th ISTEP+ College & Career Readiness Online Assessment Part 2

- **Tests Administered by grade...**

- Grade 3 ELA/Math
- Grade 4 ELA/Math/Science
- Grade 5 ELA/Math/Social Studies

Applied Skills E/LA

○ Writing Prompt Session

- Includes a passage or pair of passages for students to read.
- Includes several Multiple-Choice reading comprehension questions that will ask about the passage or pair of passages and scaffold to the Writing Prompt.
- Includes a Writing Prompt that will be in the form of a narrative, informative, or persuasive/argument response based on the passage or pair of passages.

Applied Skills E/LA

- Constructed-Response / Extended-Response Session
 - Includes a passage for students to read.
 - Includes several Constructed-Response reading comprehension questions that will ask about the passage. (2 point rubric)
 - Includes an Extended-Response that will be a narrative, informative or persuasive/argument response based on the passage. (4 point rubric)

Grade 3 Sample Questions

- **Constructed-Response**

- How do the picture and the table help the reader understand the information in the article? Support your answer with details from the article.

- **Extended-Response**

- You have read information about the United States Mint. Write a persuasive essay to show your teacher how much you would learn on a field trip to one of the facilities. Use details from the article to help explain what you would learn on your visit.

Grade 3 Sample Questions

○ Writing Prompt

- You have read the story “The Flea, the Grasshopper, and the Frog.” Think about the lesson of the story. What did the frog do? Why does the King think the frog won the competition? What do you think the lesson of this story is? Write an essay that explains the lesson, using details from the story.
- Be sure to include:
 - an explanation of the lesson
 - details about events in the story to support the lesson
 - an introduction, a body, and a conclusion

Applied Skills - Math

- Multiple Step Problem Solving
- Writing and justifying your answer
- Must show all work

Applied Skills Grade 3

Math Sample

1. Anna works at a bakery. Each day Anna makes at least 625 muffins to sell. One morning, she makes 244 apple muffins, 285 banana muffins, and 126 pumpkin muffins. Anna drops 10 of the apple muffins and cannot sell them.

Part A

On the lines below, explain whether or not Anna will still have at least 625 muffins to sell.

Applied Skills Grade 3 Math Sample

Part B

At the end of the day, there are 20 apple muffins, 8 banana muffins, and 5 pumpkin muffins left.

What is the TOTAL number of muffins sold that day?

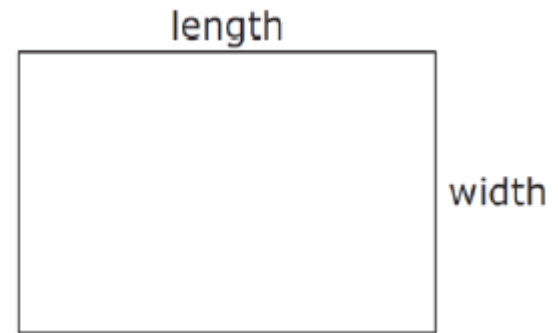
Show All Work

Answer _____ muffins

Applied Skills Grade 3

Math Sample

2. Willie drew this rectangle.



Use words, numbers, or pictures to describe how to find the perimeter of the rectangle. Use the terms LENGTH and WIDTH in your answer.

Applied Skills Grade 3 Math Sample

Part B

The perimeter of the rectangle is 28 units. The length is 8 units.

What is the width, in units, of the rectangle?

Show All Work

Answer _____ units

Applied Skills Grade 3

Math Sample

3. The clock shows the time at which students arrive at a park one afternoon to play a game.



Part A

After the students arrive, they have 30 minutes to practice before the first game begins.

What time does the first game begin?

Answer _____p.m.

Applied Skills Grade 3 Math Sample

Part B

It took 40 minutes to play the first game and 50 minutes to play the second game. How long, in minutes did they spend in all playing the two games?

Show All Work

Answer _____minutes

Applied Skills Grade 3

Math Sample

Part C

The students want to play a third game, but the park closes at 5:45 p.m.

On the lines below, explain whether or not the teams are **LIKELY** to have enough time to play a third game before the park closes. Include the time the second game ends in your answer.

Applied Skills Grade 4

Math Sample

1. Part A

John's pumpkin has a mass of 2 kilograms. The mass of Greg's pumpkin is 500 grams less than John's pumpkin. What is the mass, in grams, of Greg's pumpkin?

Show All Work

_____ grams

Applied Skills Grade 4 Math Sample

1. Part B

John thinks the mass of the two pumpkins, in grams, is greater than 3,000 grams. Use words, numbers, and/or symbols to explain if John is correct.

Applied Skills Grade 4

Math Sample

2. Emma's cat had a litter of 8 kittens. Emma gives 1 kitten to her uncle and 1 kitten to her cousin.

Part A

What fraction of the litter of kittens does Emma have LEFT? Write your answer as a fraction.

Answer _____

Applied Skills Grade 4 Math Sample

Part B

Emma gives $\frac{4}{6}$ of the remaining kittens to friends.

How many kittens does Emma have LEFT?

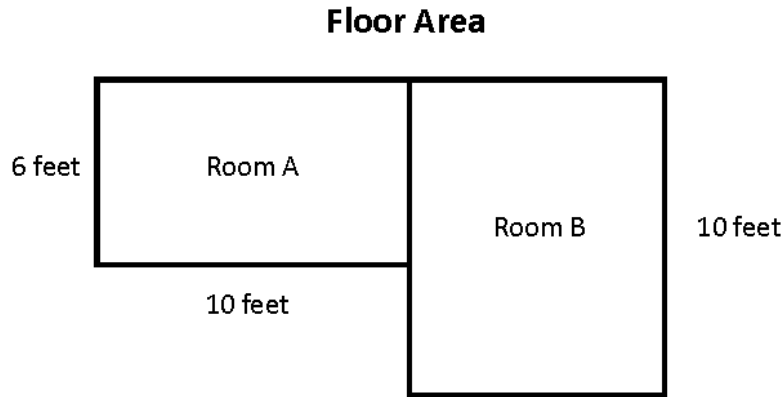
Show All Work

Answer _____ kittens

Applied Skills Grade 4

Math Sample

3. Morgan is buying carpet for the two rooms shown in the diagram.



Part A

What is the floor area, in square feet, of Room A?

Show All Work

Applied Skills Grade 4 Math Sample

Part B

The total floor area of Room A and room B is 140 square feet. What is the area, in square feet, of Room B?

Show All Work

_____ square feet

Applied Skills Grade 4 Math Sample

Part C

What is the PERIMETER, in feet, of Room B?

Show All Work

Answer _____ feet

Applied Skills Grade 5 Math Sample

1. Part A

Edward can read $\frac{3}{4}$ of a book in 1 week. At this pace, how many books can he read in 8 weeks?

Show All Work

Answer _____ **books**

Applied Skills Grade 5 Math Sample

Part B

Edward reads 12 books during the summer. Out of the 12 books he reads, $\frac{2}{3}$ of them are nonfiction. Edward claims he has read 8 nonfiction books.

Is Edward correct? Use words, numbers, and/or symbols to support your answer.

Applied Skills Grade 5

Math Sample

2. Part A

Ms. Miller and Mr. Hart both have fish and gerbils in their classrooms. Mr. Hart has twice as many fish as Ms. Miller. He has 3 more gerbils than Ms. Miller.

Write an expression that represents the number of fish in Mr. Hart's classroom.

Write a second expressions that represents the number of gerbils in Mr. Hart's classroom. Define the variables in your expressions.

Define each variable:

Fish: _____

Gerbils: _____

Expression 1: _____

Expression 2: _____

Applied Skills Grade 5 Math Sample

Part B

Ms. Miller has 8 fish and 4 gerbils in her classroom. What is the total number of fish and gerbils in Mr. Hart's classroom?

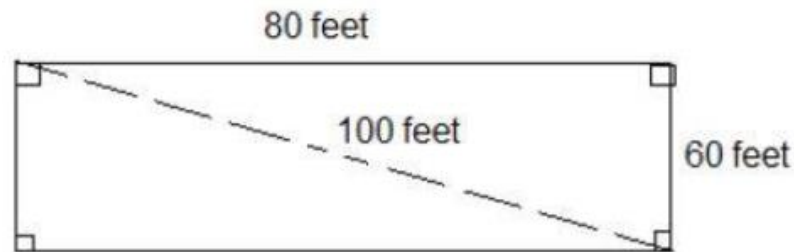
Show All Work.

Answer _____ fish and gerbils

Applied Skills Grade 5

Math Sample

3. Joan and Sharon share a rectangular plot of land. They separate the land into two equal plots, as shown by the dotted line in the diagram.



Part A

Joan and Sharon plan to put a fence around the rectangular plot of land and through the land to separate their plots.

What is the length, in feet, of the fence needed?

Show All Work

Answer _____feet

Applied Skills Grade 5 Math Sample

Part B

What is the area, in square feet, of Sharon's plot of land?

Show all work.

Answer _____ square feet

Applied Skills Grade 5 Math Sample

Part C

Draw a picture that shows a different way Joan and Sharon can split the plot of land into two halves so that they use less fencing.

Applied Skills Grade 5 Math Sample

Part D

Based on your picture in Part C, how much less fencing, in feet, is used?

Show All Work

Answer _____feet

College & Career Ready Online Assessment

- There are new types of questions on the online test. New technology enhanced questions include:
 - Drop Down List Questions
 - Two Part Questions
 - Multiple-Correct Response Questions
 - Drag-and-Drop Questions
 - Select Text Questions
 - Matching Questions
 - Expression and Equation Entry Questions
 - Graph Lines Questions
 - Plot Points Questions

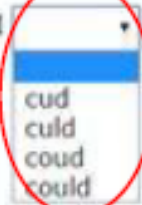
Drop Down List Questions

Students see their responses in context. Responding in context mirrors actions students would be asked to perform in the classroom.

Read the question and choose the best answer.

Read these sentences. Select the correct spelling of the TWO missing words from the drop-down lists.

My favorite food is pizza. I eat it every day.



allows you to clear
all answer choices
and start again

click on down arrows
to see drop-down lists

Two Part Questions

This type of question includes a “Part A” and a “Part B.” The structure of this question type facilitates broader assessment of a standard by requiring students to connect information or provide evidence to support the answer(s) to Part A.

The screenshot shows a digital math interface. At the top left, the text "Part A" is circled in red. Below it is the question: "Create an expression to represent the total number of bagels in x small boxes and y large boxes." Below the question is a large input field with a toolbar containing navigation and editing icons. Below the input field is a numeric keypad with buttons for digits 0-9, decimal point, and basic arithmetic operators (+, -, *, /). At the bottom center, a "Reset" button is circled in red. To the right of the keypad, a box contains the text "allows you to clear all answer choices and start again" with an arrow pointing to the "Reset" button. At the top right, another box contains the text "parts are designated, Part A and Part B" with an arrow pointing to the "Part A" label. At the bottom left, the text "Part B" is circled in red, followed by the question: "Assuming the boxes are full, how many bagels are packaged in 5 small boxes and 3 large boxes?"

Part A

Create an expression to represent the total number of bagels in x small boxes and y large boxes.

parts are designated, Part A and Part B

Reset

allows you to clear all answer choices and start again

Part B

Assuming the boxes are full, how many bagels are packaged in 5 small boxes and 3 large boxes?

Multiple Correct Response Questions

With this type of question, students select two or more correct answers. The number of answers required is typically noted in the question, unless the skill calls for a “Select all that apply.” The responses required for this type of question allows for broader assessment of a standard.

Part B

$$605,070 < \boxed{}$$

Select the THREE numbers that could be placed in the box to make the inequality true.

- 610,070
- 604,099
- 650,010
- 605,200
- 605,009
- 600,970

answer choices

Drag-and-Drop Questions

This question type is used when evidence of understanding calls for the selection and arrangement of content. Students select answers and drag them into response areas.

On a Web site, the widths of square kitchen tiles are given in inches. Katie measures the tile sizes she needs in centimeters. She makes a table to compare her measurements to the Web site's measurements. Drag measurement values to the missing parts of the table to complete the table of equivalent measurements.

Kitchen Tiles

| | Tile A | Tile B | Tile C |
|---------------------|----------------------|----------------------|----------------------|
| Width (inches) | 6.00 in. | 1.50 in. | <input type="text"/> |
| Width (centimeters) | <input type="text"/> | <input type="text"/> | 10.16 cm |

answer choices

- 1.04 cm
- 2.36 cm
- 3.81 cm
- 4.04 cm
- 8.54 cm
- 4.00 in.
- 7.62 in.
- 25.81 in.

response areas

Reset

allows you to clear all answer choices and start again

Select Text Questions

With this type of question, students select evidence in context. Responding in context mirrors actions students would be asked to perform in the classroom.

Which words or phrases help the reader determine the meaning of the word *camouflaged*? Select TWO words or phrases.

We finally found the **cache**—a **small** camouflaged bottle that **blended in perfectly** with the tree. No wonder it was **so hard to find**! Inside was a small piece of paper called **a logbook**. We wrote our names, city and state, and the date on the logbook. Then we put it **back in the bottle**. We saw that several other people had also signed the logbook.

students mouse over highlighted areas and select answers, e.g., a small piece of paper

Reset

allows you to clear all answer choices and start again

Matching Questions

This type of question asks for a series of individual selected responses in a table format. Students select evidence to support understandings.

Click on a circle to answer each question.

| | 18 | 34 | 45 | 56 |
|----------------------------------|----------------------------------|-----------------------|----------------------------------|----------------------------------|
| Which number is a multiple of 5? | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> | <input type="radio"/> |
| Which number is a multiple of 6? | <input checked="" type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |
| Which number is a multiple of 7? | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |
| Which number is a multiple of 8? | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input checked="" type="radio"/> |

a check appears
when a response
is selected

Expression and Equation Entry Questions

This is a machine-scored version of a constructed-response question. Instead of being provided options to choose from, students create their own numeric answers, expressions, or equations.

Each student in an art class paints 4 bowls. Altogether, the students paint 72 bowls.

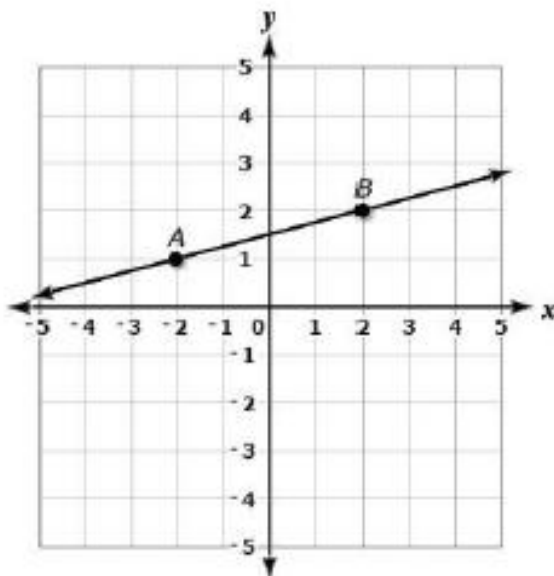
How many students are in the art class?

The screenshot shows a digital interface for entering a response. At the top, a text box contains the question: "How many students are in the art class?". Below the question is a large input field labeled "response area" with a red arrow pointing to it. Inside this field, the number "78" is displayed in blue, followed by a blue square cursor. Below the input field is a keypad labeled "key pad" with a red arrow pointing to it. The keypad contains a grid of buttons for digits 0-9, a decimal point, and a sign change button (+/-). Below the keypad is a "Reset" button, also circled in red.

Graph Lines Questions

With this type of question, students graph lines.

On the coordinate grid, graph a line that contains the point $(-2, 1)$ and has a slope of $\frac{1}{4}$.



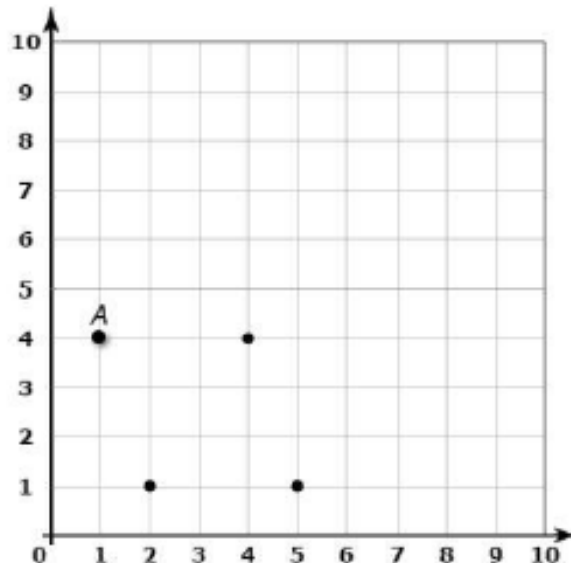
allows you to clear all answer choices and start again

Plot Points Questions

With this type of question, students plot points on a graph.

Three of the vertices (corners) of a parallelogram are drawn on a grid.

Place the fourth vertex (corner) of the parallelogram on the grid.



allows you to clear all answer choices and start again

Additional Information

- <http://www.doe.in.gov/assessment/istep-grades-3-8>
- Practice online assessment with technology enhanced questions at:
<http://download.pearsonaccessnext.com/in/in-practicetest.html?links=1>

How Can You Help?

- Make sure your child receives adequate sleep each night – **Early bedtime!**
- Eat a nutritious breakfast before coming to school
- Arrive at school on time
- Offer words of praise and support – avoid conflicts

How Can You Help?

- Remind your child to follow directions carefully and to ask questions if something doesn't make sense
- Encourage your child to check over their work while time allows
- Encourage your child to do their best!

Questions still?...

Please contact your child's teacher.

