AK STAR
ALASKA SYSTEM OF ACADEMIC READINESS

Guide to Assessment
Item Types

Alaska System of Academic
Readiness (AK STAR)

ALASKA DEPARTMENT OF
EDUCATION
& EARLY DEVELOPMENT

English Language Arts Item Types

Specific item types students may see are listed below.

Multiple-Choice Single-Select

This type of question lists four choices and asks students to select the correct answer. It is worth 1 point.

Why does Iris grin in paragraph 20?

○ She enjoys making designs.

○ She is proud of her creations.

○ She has thought of a plan.

○ She realizes the rain has stopped.

Multiple-Choice Multiple-Select

This type of question lists five or more choices and has two or more correct answers. Students will be told how many choices to select. Students must select all of the correct choices and none of the incorrect ones for their answers to be scored as correct. It is worth 1 point.

Which **three** things do volunteers learn by watching the training slide show?

☐ The types of foods that dogs eat

☐ The signs of worry in dogs

☐ Strategies for approaching dogs

☐ Ways to reward dogs

☐ The types of scents that dogs like

Table

This type of question asks students to sort information into groups. For each row, students select the column that correctly describes that row. It is worth 2 points, but students can earn partial credit of 1 point if they choose all but one of the correct answers.

How do the things Iris says show her character traits? Match each trait with the quote from the passage that **best** supports it. Each line only has one answer.

	Clever	Confident	Eager
"'May I run over to Rodney's booth?'" (paragraph 11)	○	○	○
"'Not rich enough. Do you think we can make a trade?'" (paragraph 23)	○	○	○
"'My tags have pizzazz. . . . Customers love them.'" (paragraph 27)	○	○	○

Drop-Down

This type of question asks students to select answers from drop-down lists. If there is only one dropdown list, the question is worth 1 point. If there are two drop-down lists, the question is worth 2 points, but students can earn partial credit of 1 point if they select the correct choice from only one of the drop-down lists.

Select from the lists of choices to complete the sentences.

In the first paragraph, the author asks the question, "Who wants a bedtime story?" to

[choose] ▼

The author offers a possible answer to the question to introduce the

[choose] ▼

Select in Passage

This type of question asks students to select answers from a short section of the passage or another text, such as a dictionary entry. In the given text, certain words, phrases, or sentences are underlined. The students' job is to select the underlined choice or choices that provide the best answer. They will be told how many choices to select. This type of question is worth 1 point.

> Read the following sentences from paragraph 4. From the four underlined phrases, select the phrase that **best** helps the reader understand the meaning of the word **profits**.
>
> Iris grinned. "I hope they'll help you sell lots of paintings so I can buy that kaleidoscope." Mom had promised to share the profits with Iris if she helped out—five cents for every dollar's worth of sales.

Drag and Drop\Click and Pop

This type of question asks students to move one or more choices into the correct box. If there is only one box to fill or if the number of choices equals the number of boxes to fill, the question is worth 1 point. If there are two or more boxes to fill and there are more choices than boxes, the question is worth 2 points. For the 2-point questions, students can earn partial credit of 1 point if they fill all but one box correctly.

> Sentences 6 and 7 from the paragraph follow. Move the comma to the one place where it is needed.
>
> [,]
>
> (6) Pet pigs are different [ ] from farm pigs [ ] in that they are smaller. (7) Because [ ] they are smaller [ ] they can live inside.

Text Entry

This type of question asks students to write a short written response—usually of just one word—in a box. It is usually used to test knowledge of spelling. It is worth 1 point. In the example that follows, part B is a text-entry question.

Part A

Which word from the paragraph is misspelled?

- ○ calender

- ○ predicted

- ○ puffy

- ○ meant

Part B

Write the correct spelling of the word in the space provided.

[   ]

Multipart

This type of question combines two other kinds of questions. Usually, the first part asks about a passage, and the second part asks for evidence to support the answer in the first part. In AK STAR, this type of question is worth 2 points, but students can earn partial credit of 1 point if they answer the first part correctly and the second part incorrectly. Students earn no credit if they answer the first part incorrectly, even if they answer the second part correctly.

Part A

What is the main idea of the passage?

- Both dogs and volunteers benefit from shelter reading programs.

- Local libraries will donate many books to shelters for read-alouds.

- In order to find a forever home, dogs need to play with kids and listen to stories.

- The best books to read aloud to dogs are books about other dogs.

Part B

Which pair of paragraphs from the passage **best** supports the answer to part A?

- Paragraphs 1 and 3

- Paragraphs 2 and 4

- Paragraphs 8 and 13
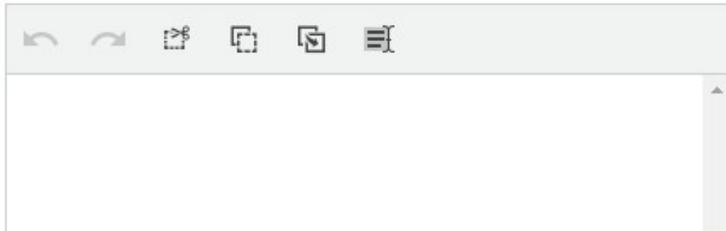
- Paragraphs 11 and 12

Constructed Response

This type of question asks students to write a short response about a paragraph based on a passage or two passages. The response is worth 3 points.

Prompt: Write a paragraph to explain and support the following opinion about the passage. Support your explanation with at least **two** pieces of evidence from the passage.

Opinion: Ray Meyer played an important role in George Mikan's success as an athlete.

To write a successful response, you should do the following.

- Begin with a topic sentence, respond to all parts of the prompt, and end with a concluding statement.
- Use linking words to connect ideas.
- Use mostly your own words.
- Use complete, correct sentences.

Mathematics Item Types

Specific item types students may see are listed below:

Multiple-Choice Single-Select

This type of question lists four choices and asks the student to select the correct answer. It is worth 1 point.

What is the value of $23.28 \div 0.3$?

Select one answer.

- ○ 0.776
- ○ 7.76
- ○ 77.6
- ○ 776

Multiple-Choice Multiple-Select

This type of question lists three or more choices and can have any number of correct answers. This type of question lists three or more choices and can have any number of correct answers. Sometimes students will be told how many choices to select, and sometimes they will not be told. Students must select all the correct choices and none of the incorrect choices for their answer to be scored as correct. It is worth 1 point.

Consider the following inequality.

$$24 < 6 + 3p$$

Which values from the set $\{5, 6, 10, 11\}$ can be substituted for p to make the inequality true?

Select **all** that apply.

- ☐ 5
- ☐ 6
- ☐ 10
- ☐ 11

Numeric Entry

This type of question asks students to enter a number or numbers. Students can use the digits 0 through 9 in their answer. In grades 4 and up, students can use a decimal point, and in grades 6 and up, students can also use a negative sign. It is worth 1 point.

What is the value of the following expression?

$$\frac{9^2 + 5 \cdot 2 - 1^3}{2^4 - 6}$$

Enter your answer in the space provided.

Table

This type of question asks students to select cells in a table. For each row, students select the column or columns that are correct. Some questions may restrict them to one selection for each row or column, and some may allow them to select more than one column per row. It is worth 1 point.

Determine whether each expression in the following table is equivalent to $6\frac{3}{4} \div \frac{9}{10}$.

Select one cell per row.

	Equivalent to $6\frac{3}{4} \div \frac{9}{10}$	Not Equivalent to $6\frac{3}{4} \div \frac{9}{10}$
$6\frac{3}{4} \div 9 \div 10$	○	○
$\frac{24+3}{4} \cdot \frac{10}{9}$	○	○

Drop-Down

This type of question asks students to select answers from drop-down lists. It is worth 1 point.

Describe how the numbers $-7\frac{1}{2}$ and -7 would be positioned relative to each other on a horizontal number line.

Select from the lists of choices to complete the statement.

The number $-7\frac{1}{2}$ would be to the [choose] ▼ of -7 on a horizontal number line because [choose] ▼ .

Select Text

This type of question asks students to select answers from list or group of text. In the given text, certain words, phrases, or sentences are underlined. The students' job is to select the underlined choice or choices that provide the best answer. They will be told how many choices to select. This type of question is worth 1 point.

Use the information to answer the question.

There are 21 students in a class. The median age of the students is 23. The oldest student is 29.

Based on this information, what is the truthfulness of each statement in the table? Select the phrase that **best** describes each statement.

Statement	Truthfulness		
At least one student is 23.	Must be true	Could be true	Cannot be true
Some students are younger than 15.	Must be true	Could be true	Cannot be true

Drag and Drop\Click and Pop

This type of question asks students to move one or more choices into the correct space or spaces. It is worth 1 point.

Melvin and Roberto played football on two different teams last season.

- Melvin's team won *w* games.
- Roberto's team won **3** fewer games than Melvin's team.

Create an expression that can be used to represent the number of games Roberto's team won last season.
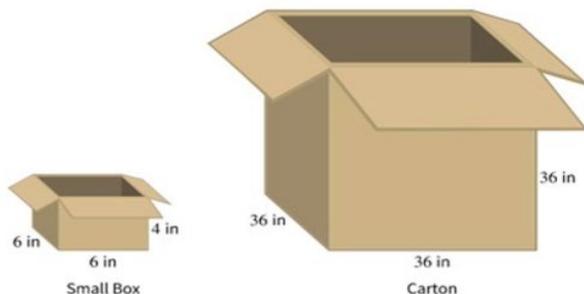
Move a number, variable, or symbol into each box.

3   *w*   —   +   ·   ÷

Constructed Response

This type of question asks students to write a response that includes a combination of words and math expressions or equations. Although not required, students can use the equation editor buttons to add mathematical symbols to their answer. Words can be typed from their regular keyboard. This type of question is worth three points for grades 3–5 and four points for grades 6 and up; it is human scored.

Martin needs to ship **972** small boxes in larger cartons. The following picture shows the exterior dimensions of each small box and the interior dimensions of each carton, in inches.

36 in

36 in

36 in

4 in

6 in

6 in

Small Box

Carton

<u>Note</u>: Figure not drawn to scale.

What is the **least** number of cartons that Martin needs to ship the **972** small boxes? Show your work or explain how you found your answer.

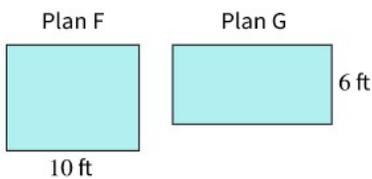Enter your answer and your work or explanation in the space provided.

Σ

Multipart

This type of question has two or three parts. Each part has one question that can be any of the types described in this document. Each part is worth 1 point unless one of the parts is a constructed response. Multipart items containing a constructed response will have different point values based on grade level; three points for grades 3-5 and four points for grades 6 and up.

Hubert will add a room with a rectangular floor to a house. He will use one of the following floor plans. He will need enough carpet to cover the floor and enough border to line the edges of the ceiling.

- The dimensions of each floor plan are the same as the dimensions of the ceiling for that plan.
- The cost of the carpet per square foot will be the same for both plans.
- The cost of the border per foot will be the same for both plans.

Plan F

Plan G

6 ft

10 ft

Part A

If Hubert chooses Plan F and needs 80 square feet of carpet for the floor, what is the total number of feet of border he will need for the edges of the ceiling?

Enter your answer in the space provided.

[   ] feet

Part B

If Hubert chooses Plan G and needs 36 feet of border for the edges of the ceiling, what is the total number of square feet of carpet he will need for the floor?

Enter your answer in the space provided.

[   ] square feet