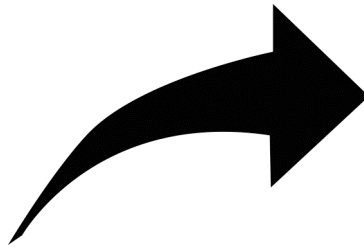


ISAT Essentials



Core Priorities for Grade 6

Center for Urban Education
<http://teacher.depaul.edu>

This guide includes test specifications from ISBE. Those specifications and additional ISAT preparation materials are available at isbe.net.

6th Grade ISAT Integration Weeks

READING

Vocabulary Challenges—Determine word meaning from context, structure, base word—context, structure, base word

Vocabulary Questions—Stems based on ISAT samples

- *What is the root word of _____?*
- *Which of these is a synonym of ____ as used in the sentence?*
- *What is an antonym for ____?*
- *How does the prefix affect this word?*
- *What is the root word of ____?*
- *What is the etymology of ____?*

Interpret Poems

Challenging Questions Based on ISAT Samples

- *How does the writer communicate it?*
- *If you did not know the meaning of ____ in stanza N, you should ____.*
- *In line n, when the speaker says ..., she most likely means ____.*
- *In this poem, which point of view does the poet use?*
- *The poet most likely took the idea for this poem from ____.*
- *What is the mood of the poem? How does the poet create it?*
- *What is the point of view of the poet?*
- *What is the theme of the poem?*
- *What techniques does the poet use?*
- *Why does the speaker feel ____?*

Fiction

Analyze questions—what kind of question is it; how do I answer it?

- Identify genre
- Infer meaning of word from context
- Infer cause-effect, motive, predictions
- Point of view
- Summarize
- Infer the Theme of a story or fable
- Analyze: genre; compare/contrast
- Infer: character traits, setting, plot, motive, prediction, main idea/theme, meaning of word from context
- Evaluate: author's techniques

Challenging Questions Based on ISAT Samples

- Summarize the passage in a few sentences.
- What action does the hero take?
- What caused the hero to take action?
- What does ____ (give word) mean as used in this sentence?
- What happened after ...?
- What is the genre?
- What is the hero's motive?
- What is the main purpose of the first paragraph?
- What is the meaning of the word ____?
- What is the point of view of the narrator?
- What is the theme?
- What is the writer's purpose?
- What was the last ...before...?
- What would be another good title for ____?
- Which detail in the selection shows that ____?
- Which of these best describes ____?
- Which of these statements is a main idea of ____?
- Which term best defines this passage?

Extended Response Examples from ISAT samples

- *How are these two stories alike or different?*
- *What lesson can people learn from this story?*
- *What lessons does ____ learn in the passage? Use information from the passage and your own ideas and conclusions to support your answer.*

Non-Fiction

Analyze questions and answers—how do I choose the most important information; how do I choose the best answer?

- Infer meaning from context*
- Identify fact/opinion*
- Summarize—evaluate the information and decide what is important*
- Identify the Main Idea and evaluate the importance of information to support it*
- Infer meaning from context*
- Analyze: compare/contrast; fact/opinion*
- Infer meaning of word from context.*

Challenging Questions Based on ISAT Samples

- *After reading the title what should you expect to learn from this selection?*
- *Paragraph N of this selection is mainly about ____*
- *To understand more about the meaning of ____, the reader should ask _____?*
- *What does ____ (give word) mean as used in this sentence?*
- *What is an opinion in the passage?*
- *What is the genre?*
- *What is the main idea of paragraph n?*
- *What is the main idea of the passage?*
- *What is the main purpose of the first paragraph?*
- *What would be another good title for ____?*
- *Which detail in the selection shows that ____?*
- *Which information supports that main idea?*
- *Which of these statements is a main idea of ____?*
- *Which term best defines this passage?*

Extended Response Examples from ISAT samples

- *How are these two stories alike or different?*
- *What lesson can people learn from this history?*
- *What lesson can people learn from this story?*
- *What lessons does ____ learn in the passage? Use information from the passage and your own ideas and conclusions to support your answer.*
- *What is an important legacy of an African American leader? Read a passage about that leader. Then explain that person's legacy.*
- *What conclusions can someone draw about ____ based on this passage?*

SIXTH GRADE MATH PRIORITIES

Priorities identified through the ISBE ISAT online resources and CPS Learning Targets
<http://www.chicagoteachingandlearning.org/component/content/article/235-learning-targets.html>

Problem Solving

Students need to be able to...

- Solve problems in each of these areas of math.
- Use probability in problem-solving situations
- Make predictions
- Use ratios to describe problem situations
- Show the steps they take
- Justify a concept or relationship
- Explain the reasons for their choices of strategies.
- Explain the reasons for their choices of strategies.

Math Content	Examples of Questions from ISAT Sample
<p><i>number sense and operations</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> approximation <input type="checkbox"/> commutative <input type="checkbox"/> distributive <input type="checkbox"/> equivalent representation of numbers <input type="checkbox"/> estimate <input type="checkbox"/> formula <input type="checkbox"/> number systems <input type="checkbox"/> order of operations <input type="checkbox"/> properties <input type="checkbox"/> proportional reasoning <input type="checkbox"/> square 	<ul style="list-style-type: none"> • What number goes in the box (given a multi-step number problem)? • Greg took five tests. Each test is worth 100 points. Here are Greg's scores: 85, 87, 87, 89, 9. What is his mean score for these five tests? • Which spinner is most likely to have the arrow stop on B? • Ann runs 100 meters in ten and sixty-two hundredths seconds. What is her time written as a number? • There are 50 beans in a bag. Twenty percent are red. How many are red? • Look at Tom's work list. How much time does it take to do all of his work?
<p><i>algebra</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> Associative property <input type="checkbox"/> equations <input type="checkbox"/> expressions <input type="checkbox"/> inequalities <input type="checkbox"/> inverse relations <input type="checkbox"/> linear equation <input type="checkbox"/> number sentences <input type="checkbox"/> pattern problems <input type="checkbox"/> table of values <input type="checkbox"/> unknown quantities <input type="checkbox"/> variable 	<ul style="list-style-type: none"> • Mike has x baseball cards. Tyrone has 3 times as many. Frank has baseball cards. Which expression represents how many cards they have in all? • What is the value of the expression below when $x = 6$ and $y = 2$? • What value of n makes the equation below true? • Which correctly describes the rule between x and y? • Which table best fits the equation. • The graph shows a linear equation. If x is 7 on the graph, what is y? • Jan has 18 cards, Ray gives her v cards. She now has less than 30 cards. Which best describes her cards?

Math Content	Examples of Questions from ISAT Sample
<p><i>geometry and measurement</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> angles <input type="checkbox"/> area <input type="checkbox"/> area <input type="checkbox"/> capacity/volume <input type="checkbox"/> Celsius, Fahrenheit <input type="checkbox"/> conversion <input type="checkbox"/> coordinate system <input type="checkbox"/> cube <input type="checkbox"/> estimate <input type="checkbox"/> height <input type="checkbox"/> length <input type="checkbox"/> line segment <input type="checkbox"/> mass/weight <input type="checkbox"/> money <input type="checkbox"/> non-standard unit <input type="checkbox"/> perimeter <input type="checkbox"/> rectangular pyramid <input type="checkbox"/> scale <input type="checkbox"/> scale <input type="checkbox"/> square prism <input type="checkbox"/> three dimensional <input type="checkbox"/> transformations <input type="checkbox"/> triangular prism <input type="checkbox"/> two-dimensional <input type="checkbox"/> vertex <input type="checkbox"/> vertices 	<ul style="list-style-type: none"> • Use your ruler to answer the question. About how long and wide is the rectangle? • Which rectangle has an area of 24 square units and a perimeter of 20 units? • Which is closest to the measure of angle XYZ? • What should be the value for x in the triangle shown? • Lines w and x intersect lines y and z to make a rectangle. What is true? • Which streets do not intersect? • What solid figure will this pattern make when it is folded on the dotted lines. • Triangle RST is similar to triangle XYZ. Line RS corresponds to which side of triangle XY? • Use your centimeter ruler. How far is it, in feet, from the tree to the swing?
<p><i>data analysis and probability</i></p> <ul style="list-style-type: none"> <input type="checkbox"/> chart <input type="checkbox"/> circle graph <input type="checkbox"/> graph <input type="checkbox"/> line graph <input type="checkbox"/> line plot <input type="checkbox"/> mean/average <input type="checkbox"/> median <input type="checkbox"/> mode <input type="checkbox"/> pattern <input type="checkbox"/> predict <input type="checkbox"/> probability <input type="checkbox"/> range <input type="checkbox"/> table <input type="checkbox"/> tally, tally chart <input type="checkbox"/> Venn diagram 	<ul style="list-style-type: none"> • Students voted for their favorite books. How many more students voted for books about adventures than books about sports (based on bar graph). • The Venn Diagram shows how many more students play baseball and football. How many students play baseball but not football? • Carl has 16 books. The bar graph shows the number of each type of books. Which circle graph best shows the types of books Carl has?