

Alpha Assessments



What is Learnosity?



- Learnosity is an online assessment tool.
- Alpha Publishing fully integrated Learnosity into our eAlpha platform.
- Alpha Assessments Powered by Learnosity are aligned to: CCSS ELA, CCSS Mathematics, and NGSS Science content in our program.
- With Alpha Assessments, you will have innovative question types, engaging items, and fully-integrated teacher resources.

- Alpha Assessments Powered by Learnosity are called “Activities” because they have dual use.
 - Activities can be used as assessments or as practice, depending on the teacher’s preference.
 - We have 2,200+ Activities READY.
 - Activities are composed of items. An item is a single question.
 - We have 18,000+ Items READY.

How Will Teachers Use This?



Learnsity activities are MORE THAN just tests and quizzes.

- Teachers might use them to:
 - Review for a chapter test or unit test
 - Prepare for standardized tests
 - Assess benchmarks--Beginning-of-year or End-of-year testing
 - Reviewing prior content
 - Differentiation for struggling students (more practice)

Number of Items Per Content Area



Content Area	Number of Items
Elementary Science	2935
Middle School Science	1439
Elementary Math	3582
Middle School Math	4129
Elementary Reading	2250
Middle School and High School Literature	3780

Some great features of Alpha Assessments Powered by Learnosity

- Activities rescale on devices of different screen sizes including tablets.
- Questions are engaging, interesting, and interactive.
- Teachers will love the graphing tools (coordinate graphs, line graphs, statistical graphs).
- Students will like the art pieces.
- Teachers have flexibility in assigning different activities for different student or class needs.

What Kind of Items?

- Multiple choice, multiple select
- Drag and drop
- Drop down
- Image background items
- Classifying, matching, ordering
- Graphing
- Essay
- Passages

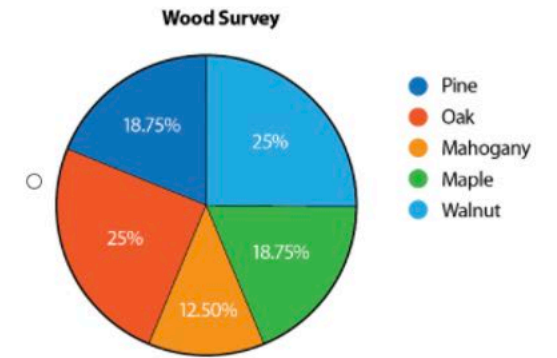
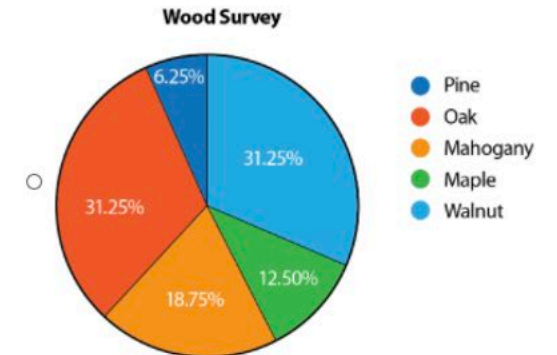
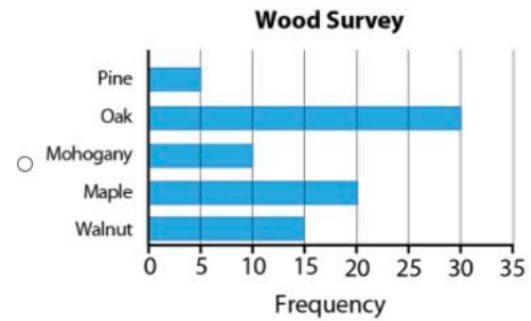
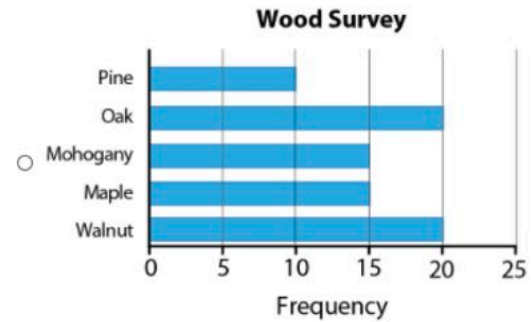
Multiple Choice

Math Grade 8 Chapter 10 Chapter Test

Carpenters were asked which type of wood they prefer for building furniture. The results are shown in the table.

Type of wood	Frequency
Walnut	25
Maple	10
Mahogany	15
Oak	25
Pine	5

Which display correctly represents this data?



Multiple Choice

Read these sentences:

The old woman said, "I was never a wallflower at parties. You see me as old, shy and unable to walk, but as a young girl I was full of life and danced the whole night long."

Based on the sentences, what is the meaning of the word *wallflower*?

- someone who stands by a wall
- someone who doesn't participate
- someone who isn't old and tired
- someone who looks like a flower

How could you rewrite the following sentence to make it clear and correct?

Rosie walked with Nadia to get her bike.

- Rosie got her bike with Nadia.
- Rosie and Nadia walked to get her bike.
- Rosie and Nadia walked to get Nadia's bike.
- Rosie and Nadia both got her bike.

Read these words. Then answer the question.

fish, cat, horse, crab, squid, whale

How would you divide these words into two groups?

- animals that can fly / animals that live on land
- animals that can swim / animals that live in water
- animals that live on land / animals that live in water

Read the sentence. Then answer the question.

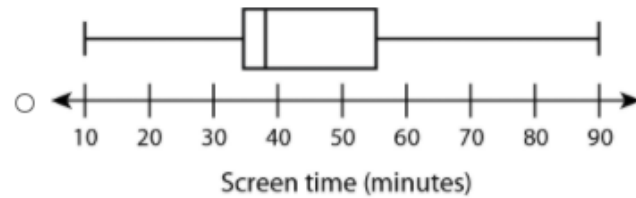
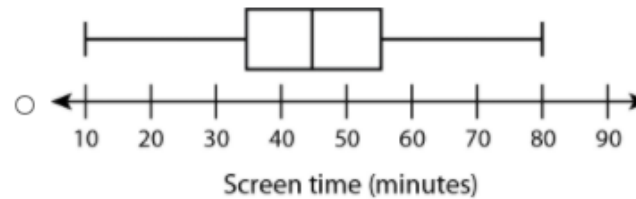
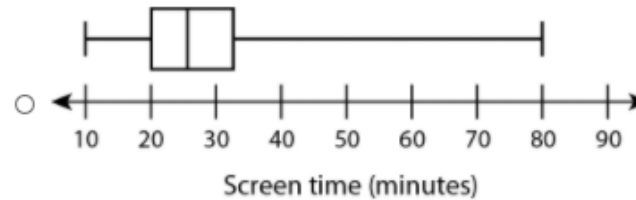
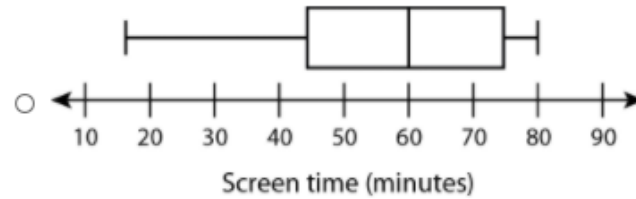
I dug a ____ hole in the dirt than my friend did.

Which form of the word *deep* belongs in this sentence?

- deep
- deeper
- deepest

Math Grade 8 Chapter 10 Chapter Test

Which box plot shows a symmetric distribution?



Sailing Around the World Alone

By Captain Joshua Slocum

Captain Joshua Slocum was the first man to sail alone around the globe on his ship, the Spray, beginning his journey in 1895 and completing it in 1898.

About midnight the fog shut down again denser than ever before. One could almost “stand on it.” It continued so for a number of days, the wind increasing to a gale. The waves rose high, but I had a good ship. Still, in the dismal fog I felt myself drifting into loneliness, an insect on a straw in the midst of the elements. I lashed the helm, and my vessel held her course, and while she sailed I slept.

During these days a feeling of awe crept over me. My memory worked with startling power. The ominous, the insignificant, the great, the small, the wonderful, the commonplace—all appeared before my mental vision in magical succession. Pages of my history were recalled which had been so long forgotten that they seemed to belong to a previous existence. I heard all the voices of the past laughing, crying, telling what I had heard them tell in many corners of the earth.

The loneliness of my state wore off when the gale was high and I found much work to do. When fine weather returned, then came the sense of solitude, which I could not shake off. I used my voice often, at first giving some order about the affairs of a ship, for I had been told that from disuse I should lose my speech. At the meridian altitude of the sun I called aloud, “Eight bells,” after the custom on a ship at sea.

Again from my cabin I cried to an imaginary man at the helm, “How does she head, there?” and again, “Is she on her course?” But getting no reply, I was reminded the more palpably of my condition. My voice sounded hollow on the empty air, and I dropped the practice. However, it was not long before the thought came to me that when I was a lad I used to sing; why not try that now, where it would disturb no one? My musical talent had never bred envy in others, but out on the Atlantic, to realize what it meant, you should have heard me sing. You should have seen the porpoises leap when I pitched my voice for the waves and the sea and all that was in it. Old turtles, with large eyes, poked their heads up out of the sea as I sang.... But the porpoises were, on the whole, vastly more appreciative than the turtles; they jumped [much] higher. One day when I was humming a favorite chant ... a porpoise jumped higher than the bowsprit.^[1] Had the *Spray* been going a little faster she would have scooped him in. The sea-birds sailed around rather shy....

The acute pain of solitude experienced at first never returned. I had penetrated a mystery, and, by the way, I had sailed through a fog.

^[1] bowsprit: a pole projecting from the prow, or front part, of a ship

Which detail from the first paragraph BEST supports a central idea of the passage?

- About midnight the fog shut down again denser than ever before.
- It continued so for a number of days, the wind increasing to a gale. The waves rose high, but I had a good ship.
- Still, in the dismal fog I felt myself drifting into loneliness, an insect on a straw in the midst of the elements.
- I lashed the helm, and my vessel held her course, and while she sailed I slept.

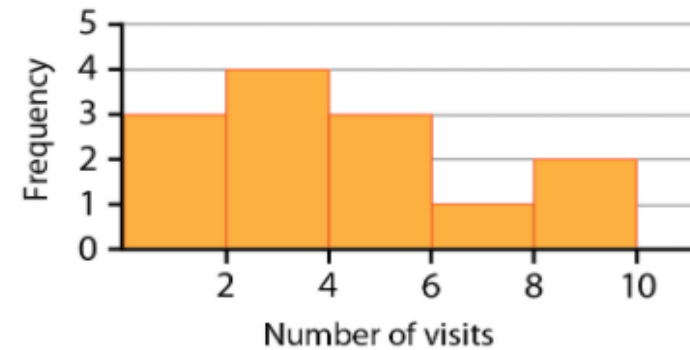
Choice Matrix

- Choice Matrix items can be true/false, yes/no.
- The matrix refers to how it displays.
- We use these quite often to check student understanding on a series of questions related to the same concept.

Math Grade 8 Chapter 10 Chapter Test

Customers at a grocery store were asked how many times per week they visit the grocery store. The results are shown in the histogram.

Determine if each statement is true or false.



	True	False
The distribution is roughly symmetric.	<input type="radio"/>	<input type="radio"/>
There are no outliers.	<input type="radio"/>	<input type="radio"/>
The mean is greater than 3 and less than 5.	<input type="radio"/>	<input type="radio"/>
The median is likely to be greater than the mean.	<input type="radio"/>	<input type="radio"/>

Essay with Rich Text / Essay with Plain Text

Most of our items are plain text, with students typing into the box. But some are rich text. We can set a specific format with rich text, giving the students more tools to use (indentations, bullets, bold, italics, underline, and so on.)

Read the excerpts and answer the question below.

From A Visit with Grandfather

Grumbling under my breath, I put on my bike helmet and set off for my aunt's house, dreading a long afternoon spent listening to an old man's stories. I couldn't help thinking about what I'd rather be doing, which was joining my friends to explore the newly opened trails at the recreation area near our school. As I pedaled, my legs found a steady rhythm and my thoughts turned from my bad mood to the joy of riding.

From Sailing Around the World Alone

The loneliness of my state wore off when the gale was high and I found much work to do. When fine weather returned, then came the sense of solitude, which I could not shake off. I used my voice often, at first giving some order about the affairs of a ship, for I had been told that from disuse I should lose my speech.

What do both of these narrators do that allows them to move from negative to positive moods? Explain your reasoning in one to two sentences.

Copy Cut Paste

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Sample answer

Both characters do a physical activity to improve their moods. The narrator of the first excerpt rides his bike. The Captain either does work or sings.

Essay with Rich Text / Essay with Plain Text

Science G01 AB Unit B Assessment

How are living things different from nonliving things?

Copy Cut Paste

How does a drum produce sound?

Copy Cut Paste

Rami is writing a story about two characters. How can he create interest and move the action forward in his story?

Copy Cut Paste

Reference: Math Grade 6 Chapter 15 Mid-Chapter Quiz 13

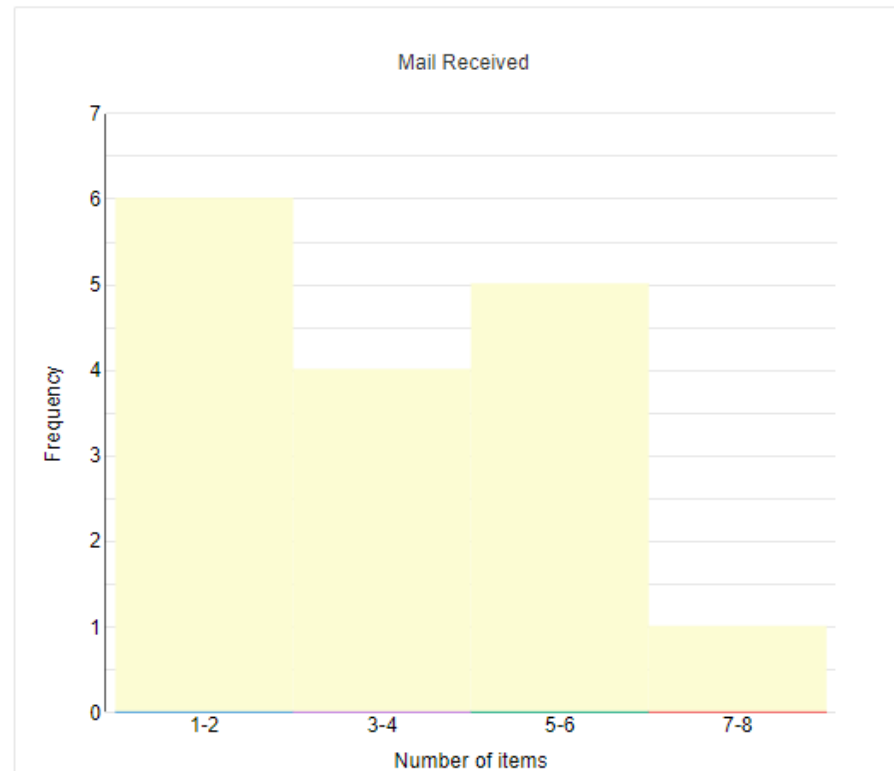
The data show the number of items received in the mail by residents in an apartment building.

4, 2, 6, 1, 7, 5, 1, 2

2, 5, 3, 3, 2, 4, 5, 5

Complete the histogram to show the data.

Drag the bars up or down to show the frequencies.



Number Line Drag & Drop Number Line Plot

Solve the inequality.

$$8x + 25 > 57$$

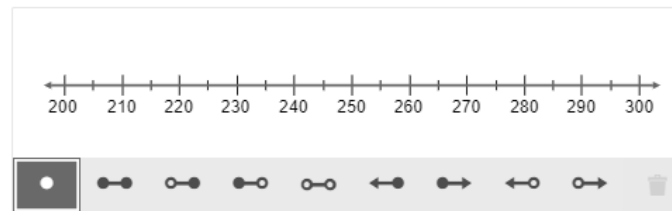
Graph the solution set on the number line.



A manufacturer makes food containers that must have a volume, v , of 250 milliliters. The acceptable tolerance is ± 15 milliliters. Enter an absolute value inequality that represents the situation.

What is the solution?

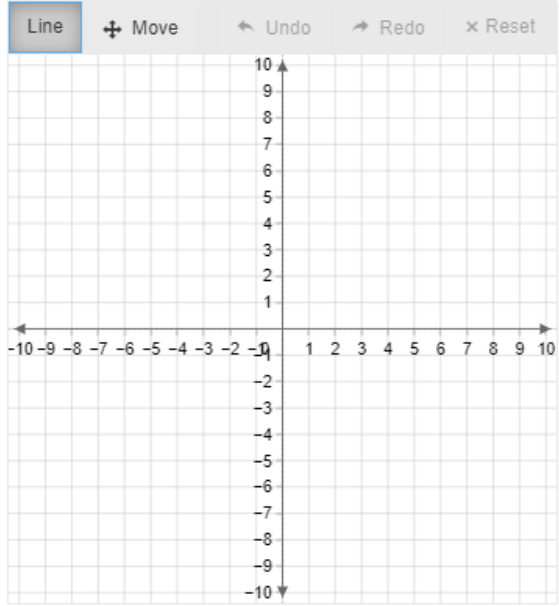
Graph the solution set on the number line.



Math Grade 8 Chapter 5 Chapter Test

Graph the equations $y = \frac{1}{4}x - 3$ and $y = 2x + 6$ to help you describe the solution set to the system of linear equations.

$$\begin{cases} y < \frac{1}{4}x - 3 \\ y \geq -2x + 6 \end{cases}$$



Complete the statements to describe the solution of the system.

The graph of $y < \frac{1}{4}x - 3$ has a boundary line.

The solution set of $y < \frac{1}{4}x - 3$ is shaded the boundary line.

The boundary line of $y \geq -2x + 6$ has a boundary line.

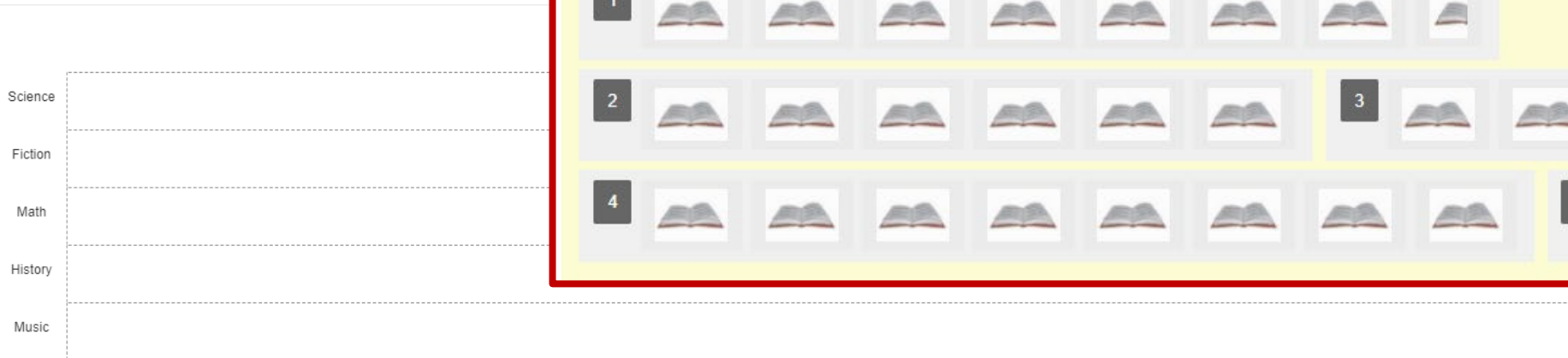
The solution set of $y \geq -2x + 6$ is shaded the boundary line.

The point is in the solution set.

- solid
- dashed
- above
- below
- (6, 1)
- (8, -3)
- (2, -5)
- (-3, 3)

Use the frequency table to make a pictograph.

Faizah's Books	
Book Type	Frequency
Science	15
Fiction	12
Math	8
History	16
Music	4



Correct answers:

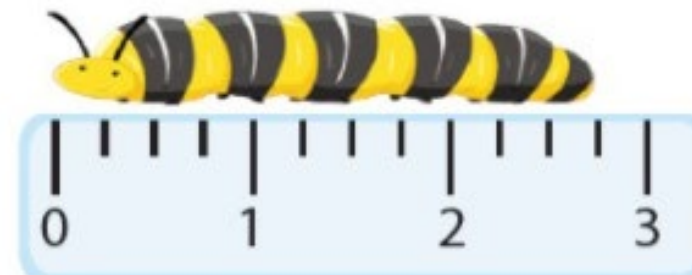


Cloze text is Learnosity’s name for “fill in the blank.” The item is set up with response boxes.

Find the difference using the place-value chart.

	Hundreds	Tens	Ones
	1	2	3
-		1	2
	<input type="text"/>	<input type="text"/>	<input type="text"/>

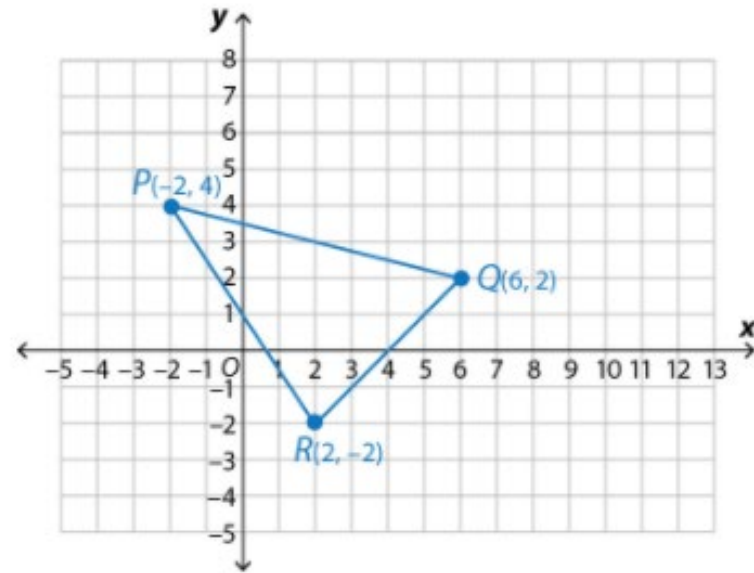
Measure the object to the nearest quarter inch.



inch(es)

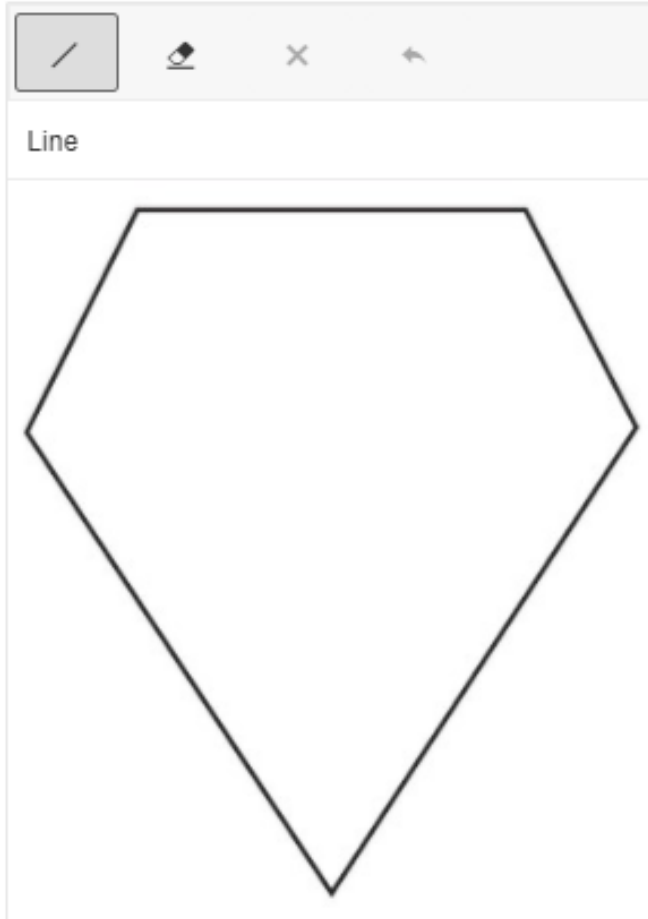
Math Grade 7 Chapter 16 Chapter Test

Apply a dilation with a scale factor of 2 and center at the origin. Find the coordinates of the vertices of $\triangle P'Q'R'$.



$$P' = (\square, \square) \quad Q' = (\square, \square) \quad R' = (\square, \square)$$

Ira draws this composite shape in art class out of a triangle and a trapezoid. Draw lines to show the shapes.



Science Grade 6 Chapter 8 Chapter Test

Select the words to correctly complete the sentences about ocean waves.

An ocean wave in open water is an example of a(n) wave. Its highest point is a and its lowest point is a .

Correct answers:

1

transverse

2

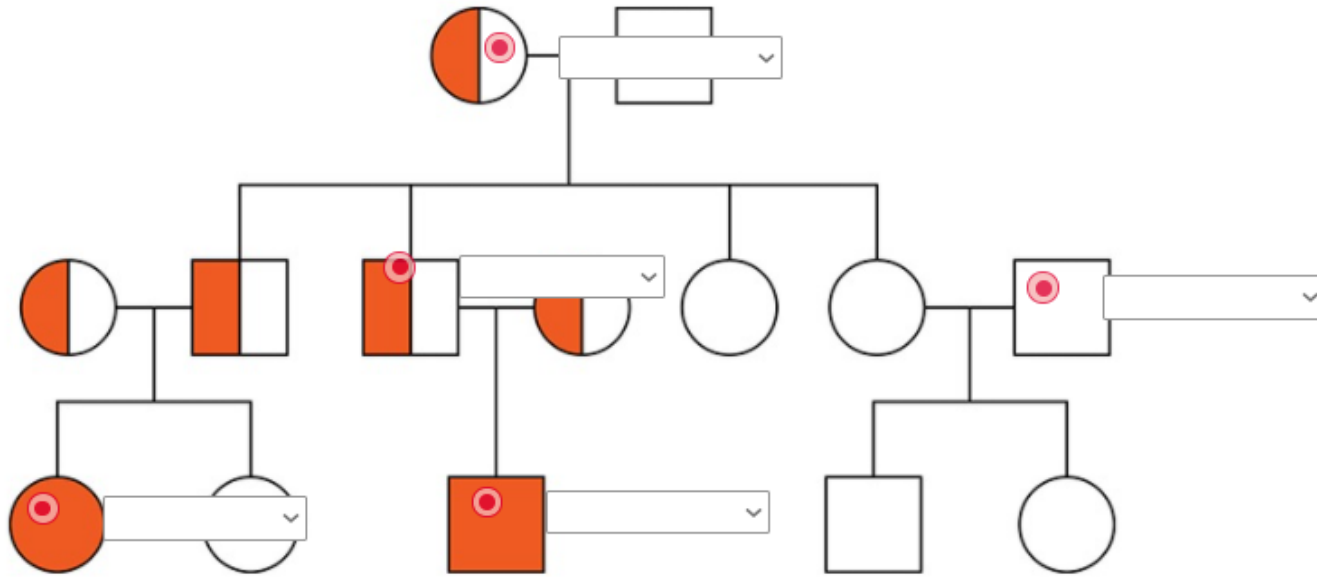
crest

3

trough

Science Grade 8 Chapter 6 Chapter Test

Label the individuals in the pedigree chart.



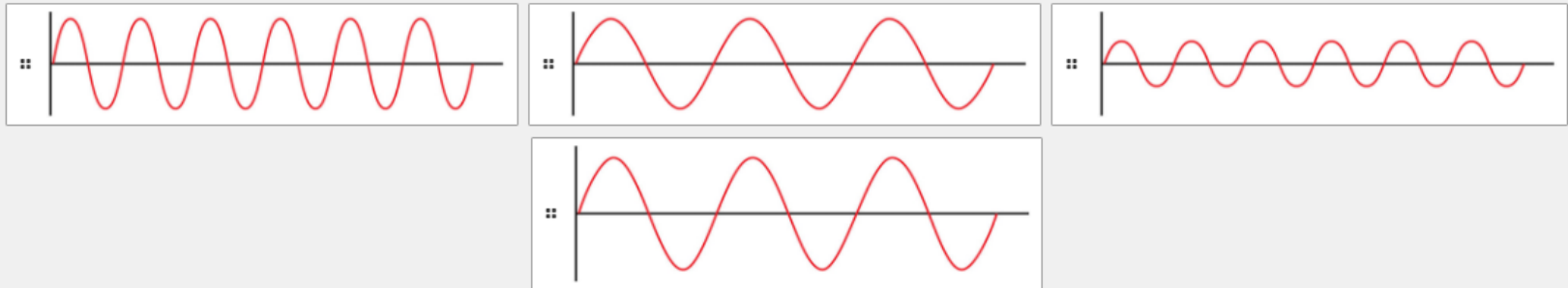
Correct answers:

- 1 carrier female
- 2 carrier male
- 3 unaffected male
- 4 affected female
- 5 affected male

Students can move or drag choices into categories in order to classify.

Science Grade 6 Chapter 8 Chapter Test

Each diagram shows several examples of transverse waves. Classify the waves according to their frequency.



Waves with lower frequency

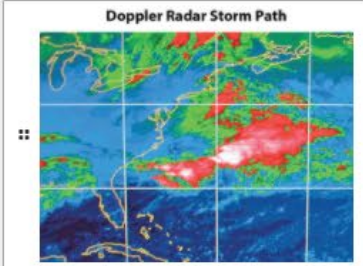
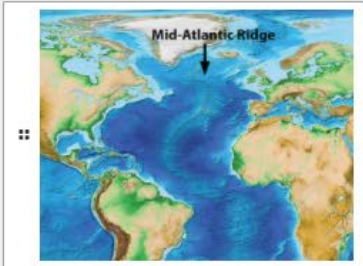
Waves with higher frequency

Two dashed boxes are provided for classification: one under 'Waves with lower frequency' and one under 'Waves with higher frequency'.

Classification

Science Grade 6 Chapter 9 Chapter Test

Sort each map into the correct category.



Relief

Dynamic

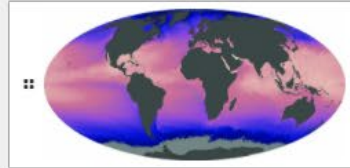
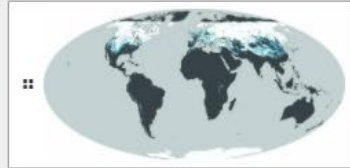
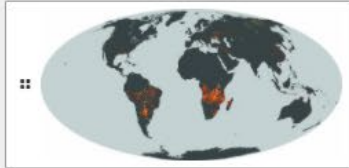
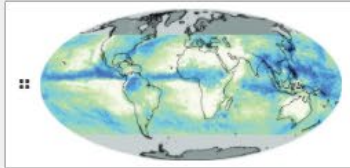
Political

Projection

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Science Grade 6 Chapter 9 Chapter Test

Identify each global GIS data layer.



fire

snow cover

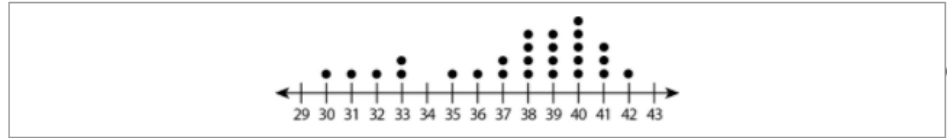
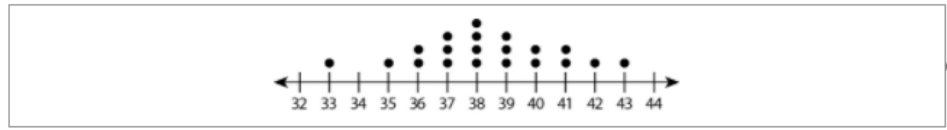
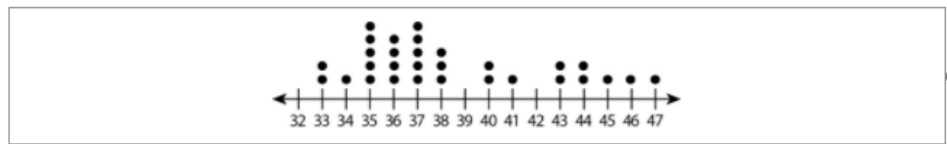
vegetation

total rainfall

sea surface temperature

Math Grade 6 Chapter 15 Mid-Chapter Quiz

Match the description of the data distribution to the dot plot representing the data.

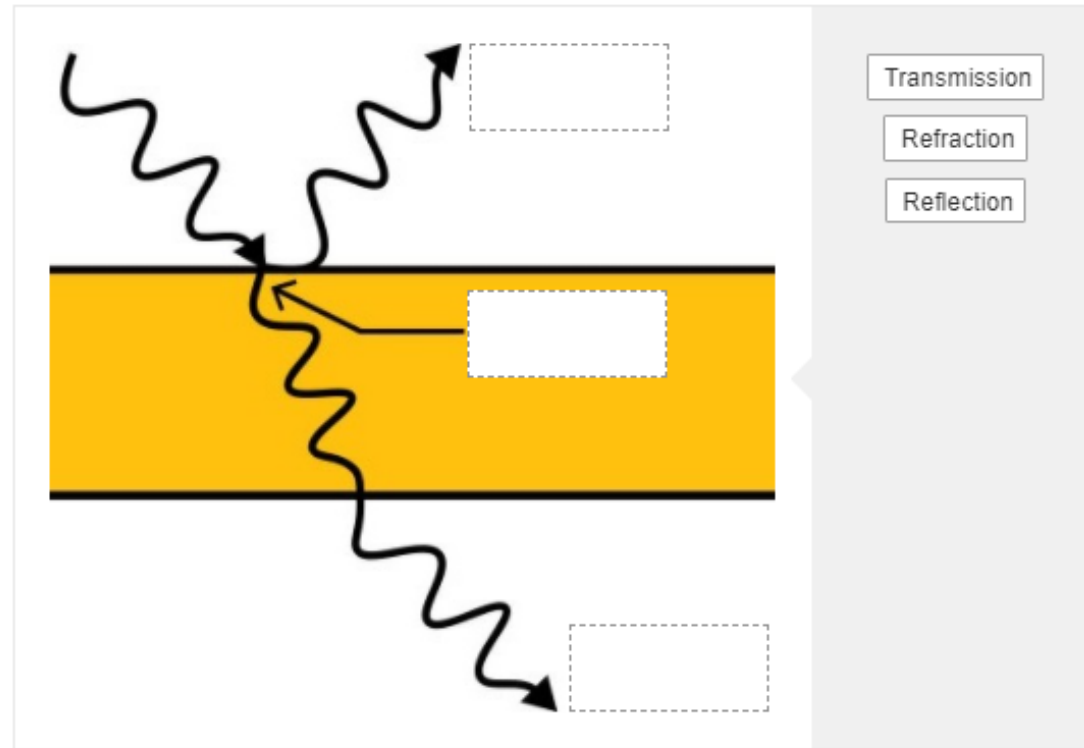


Three empty dashed boxes for matching the distributions to their descriptions.

- uniform distribution
- normal distribution
- skewed left distribution
- skewed right distribution

Science Grade 7 Chapter 2 Chapter Test

Label the image using the words that describe how light can interact with matter.



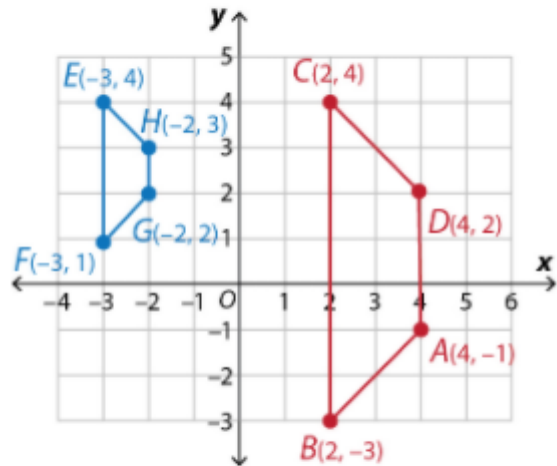
Transmission

Refraction

Reflection

Math Grade 7 Chapter 16 Chapter Test

Determine whether the figures are congruent, similar, or neither.



The figures are

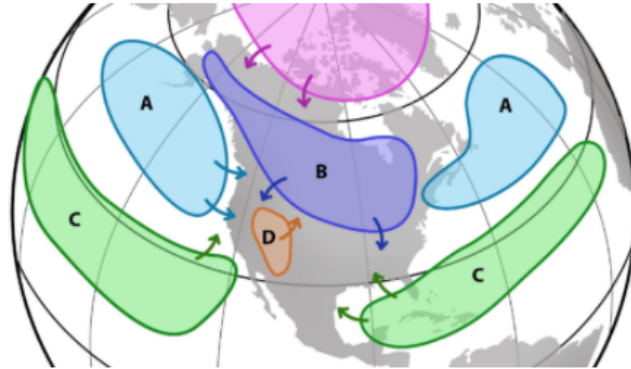
congruent

similar

neither congruent nor similar

Science Grade 6 Chapter 10 Chapter Test

The map shows different types of air masses that affect North America. The air masses are positioned to show where they typically form.



Match the descriptions to the air masses.

❖ cold, dry air

❖ warm, dry air

❖ cold, humid air

❖ warm, humid air

A

B

C

D

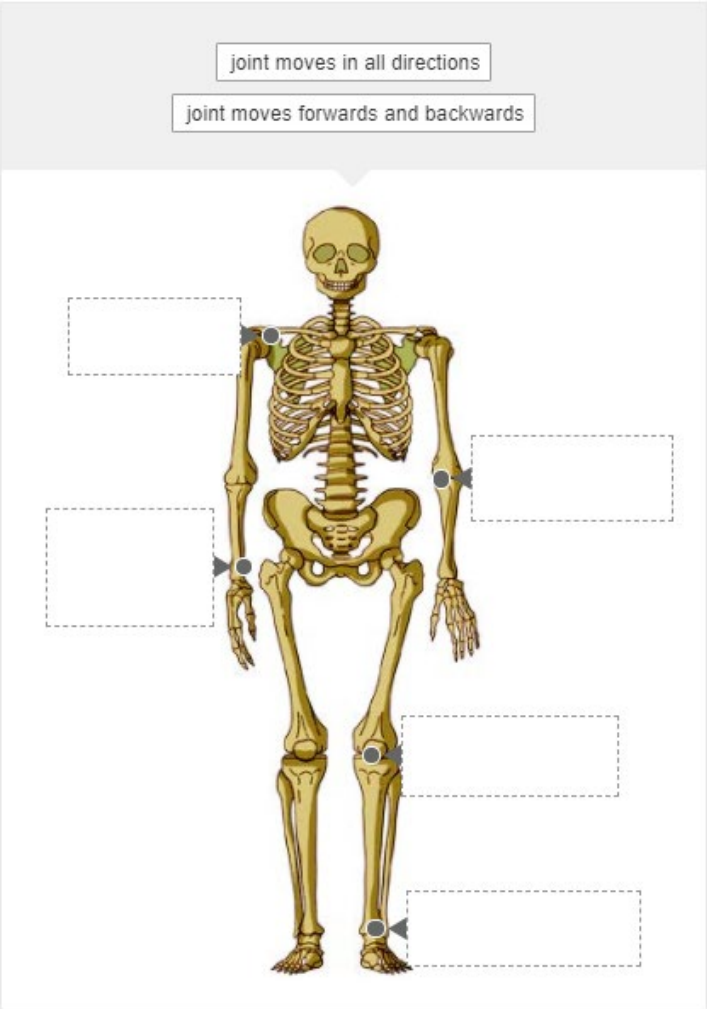
Four dashed boxes for matching, each connected to the corresponding air mass label (A, B, C, D) by a horizontal line with a dot at each end.

Drag & Drop

Drag the correct label to each joint. Labels may be used more than once.

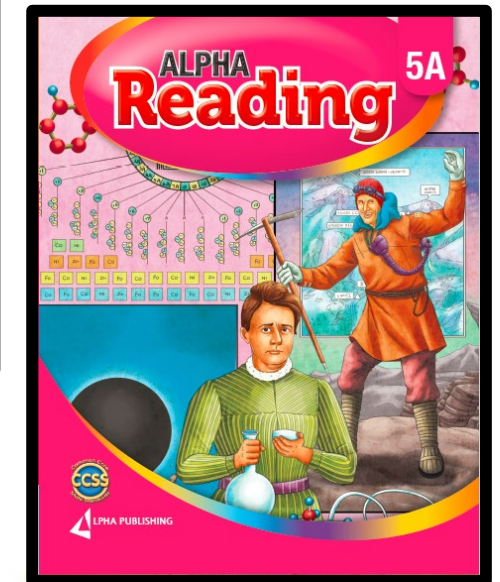
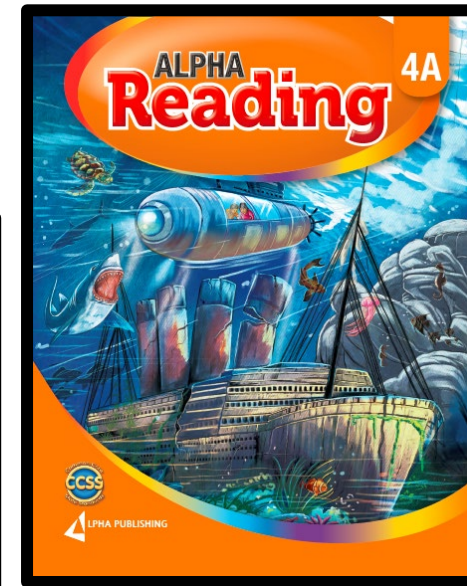
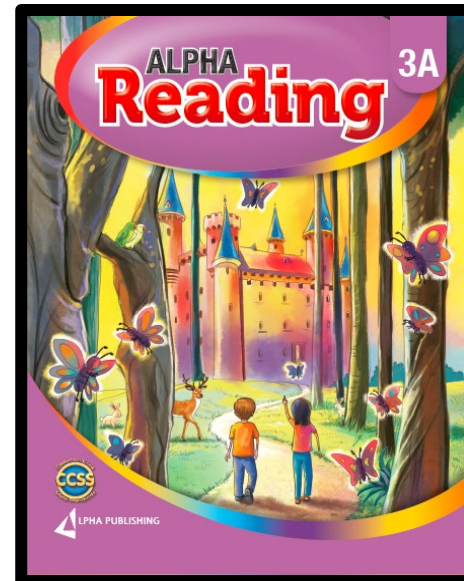
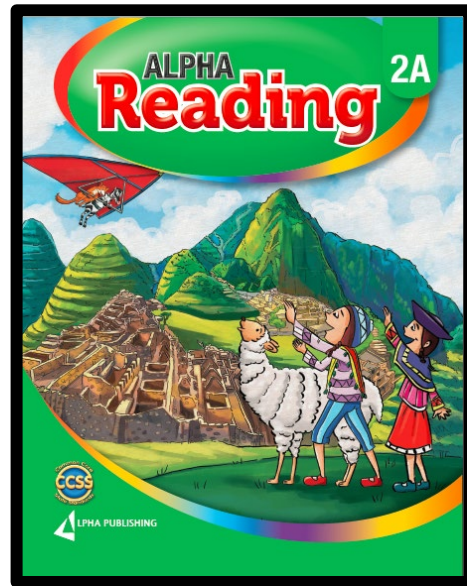
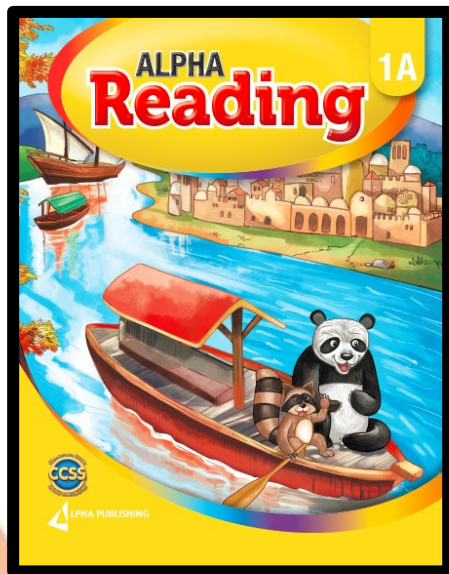
joint moves in all directions

joint moves forwards and backwards



Elementary Reading (K-5)

Word document assessments were converted to Alpha Assessments for Grades 1-5.



Word document assessments were converted to Alpha Assessments.

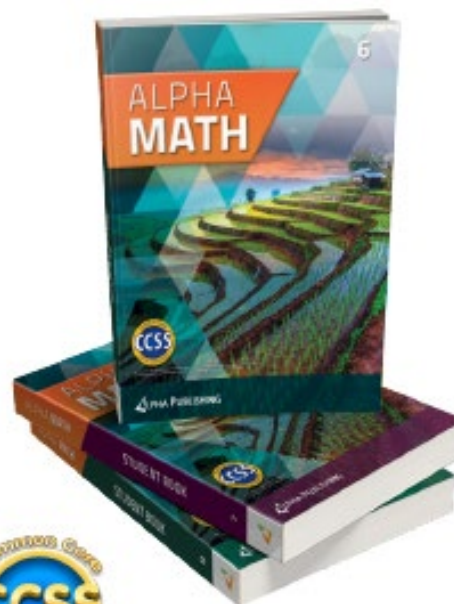


Converted

- Multiple-choice quizzes from the On-Level Practice Books

New items that match Alpha Math! CCSS-Aligned

- Lesson quizzes - 5 items each
- Mid-chapter quizzes - 15 items each
- Chapter tests - 30 items each
- Beginning-of-year tests - 40 items each
- End-of-year tests - 40 items each



Name _____ Date _____

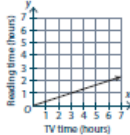
Chapter 3: Multiple-Choice Quiz

- A theater has 126 seats. So far 100 tickets have been sold to a play. What is the ratio of unsold tickets to total seats in the theater?
 A. 126:26 B. 26:126
 C. 26 to 100 D. 100 to 126
- At a library, 27 books, 17 videos, and 8 magazines are checked out in one day. What is the ratio of books to total items checked out?
 A. $\frac{27}{52}$ B. 25:27
 C. 8:27 D. 26 to 52
- Which ratio is equivalent to 36:52?
 A. 3:12 B. 72 to 156
 C. 9:13 D. $\frac{3}{4}$
- A power company charges 12 cents for every kilowatt hour of power a house uses. The cost per kilowatt hour is shown in the ratio table.

Kilowatt hours	Cost (dollars)
1	0.12
100	12
400	48
?	84

 If an electricity bill is \$84, how many kilowatt hours of power did the house use?
 A. 600 B. 700
 C. 750 D. 800
- Which ratio is greater than 6:15?
 A. 6:17 B. 2:5
 C. 5 to 10 D. $\frac{8}{20}$
- Shop A sells 3 pounds of flour for \$2. Shop B sells 5 pounds of flour for \$3. Which shop offers a better deal?
 A. Shop A
 B. Shop B
 C. The prices are equivalent.
 D. There is not enough information.

Questions 7 and 8 refer to the following information.
 The graph shows the ratio of time Samir spends watching TV to the time he spends reading.



- Which ratio does the graph show?
 A. 1:3 B. 2:5
 C. 3:1 D. 4:1
- If Samir reads for 2 hours, how many hours does he spend watching TV?
 A. 1 B. 2
 C. 4 D. 6

198 Chapter 3: Multiple-Choice Quiz

Elementary Math (K-5)



From Alpha Assessments

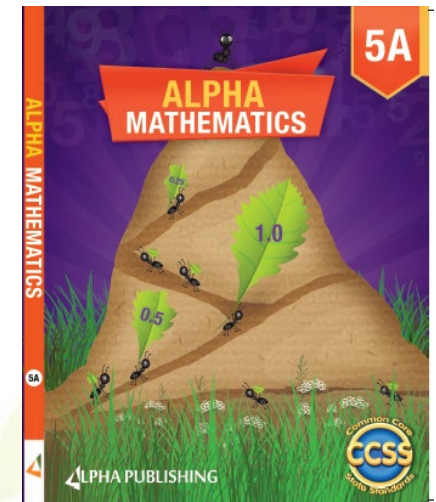
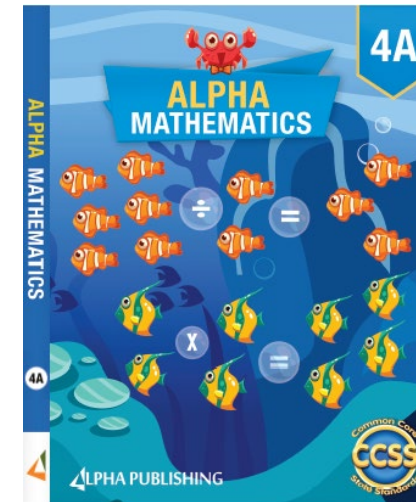
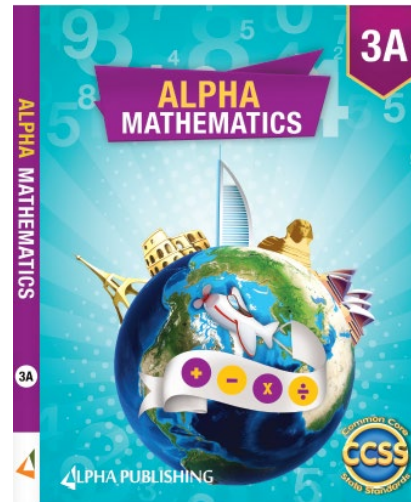
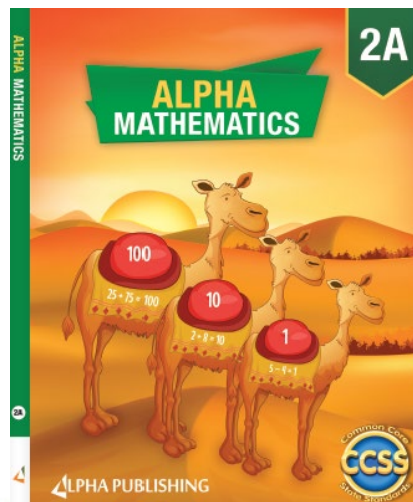
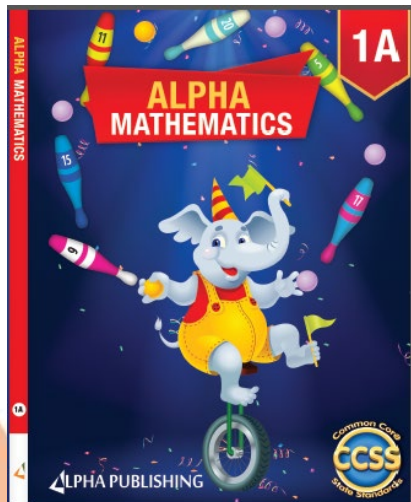
- Beginning of Year Test
- Cumulative Test
- Pre-Assessments
- Lesson Quizzes
- Chapter Tests

From Alpha Student Books

- Checkpoint
- Reflection Check
- Finish Line
- Chapter Test

From Alpha Practice Books

- Multiple-Choice Quiz

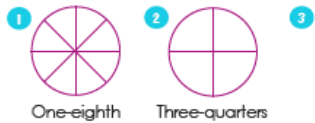


CHECKPOINT

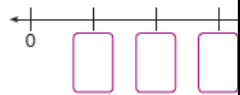
A. Circle the fraction representing the colored part.



B. Color according to the fraction.



C. Write the missing fractions.




D. Problem solving.


Scarlett has 3 yellow balloons and 5 red balloons. How many balloons are red?


310

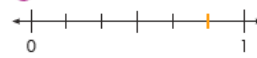
REFLECTION CHECK

A. Write the fraction representing the colored part.

1  (_____)

2  (_____)

3  (_____)

4  (_____)

B. Write each whole number as a fraction.

1 $1 = \frac{\quad}{\quad}$ 2 $4 = \frac{\quad}{\quad}$

C. Write an equivalent fraction.

1 $\frac{1}{2} = \frac{\quad}{\quad}$ 2 $\frac{1}{3} = \frac{\quad}{\quad}$

D. Compare, write >, <, or =.

1 $\frac{1}{6} \square \frac{2}{6}$ 2 $\frac{6}{8} \square \frac{5}{8}$ 3 $\frac{1}{8} \square \frac{1}{4}$ 4 $\frac{2}{6} \square \frac{2}{8}$

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FINISH LINE

Vocabulary Review

Match.

fraction

denominator

numerator

unit fraction

equivalent fractions

Fractions that have the same value.

CHAPTER TEST

Use the Chapter Test to assess student progress with the concepts and strategies in the chapter.


CHAPTER TEST


A. Name the numerator and the denominator in each fraction.


1 $\frac{2}{6}$ 2 $\frac{1}{2}$ 3 $\frac{5}{8}$


numerator: 2 numerator: 1 numerator: 5
denominator: 6 denominator: 2 denominator: 8

B. Write how many equal parts there are in each figure. Shade one part. Write its unit fraction.





1  $\frac{1}{3}$

2  $\frac{1}{8}$

3  $\frac{1}{4}$


4  $\frac{1}{6}$

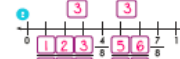
C. Write the fraction that represents the shaded part of a whole or a set.

1  $\frac{2}{3}$ 2  $\frac{5}{8}$ 3  $\frac{2}{5}$ 4  $\frac{2}{8}$


224


D. Write the missing fractions for each number line.

1  $\frac{1}{2}$ $\frac{3}{4}$


2  $\frac{1}{3}$ $\frac{2}{3}$ $\frac{5}{6}$

E. Circle the fractions that name the shaded part.

1  $\frac{1}{2}$ $\frac{2}{4}$ $\frac{2}{2}$

2  $\frac{3}{8}$ $\frac{6}{8}$ $\frac{6}{4}$

F. Write the equivalent fractions.

1  $\frac{1}{2} = \frac{2}{4}$

G. Compare, write >, <, or =.

1 $\frac{5}{8} \square \frac{4}{8}$ 2 $\frac{6}{6} \square 1$ 3 $\frac{3}{1} \square 3$ 4 $\frac{1}{2} \square \frac{1}{4}$

H. Problem solving.

Mia baked 6 muffins. Two-thirds of her muffins are blueberry and the rest are banana.

What fraction represents the banana muffins? $\frac{2}{3}$

Which is greater: the blueberry or banana muffins? $\frac{2}{3} > \frac{1}{3}$ banana.

225

Middle School Science (G6-8)

New items that match Alpha Science. NGSS aligned

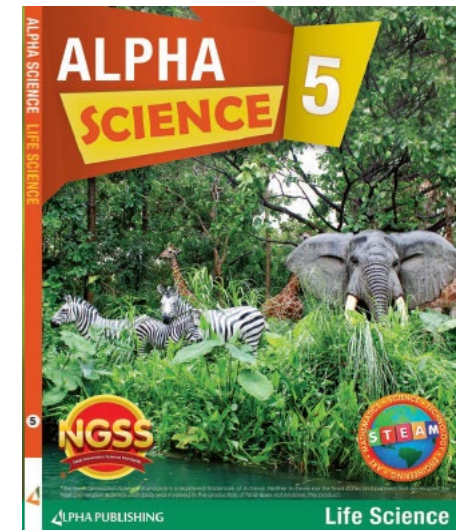
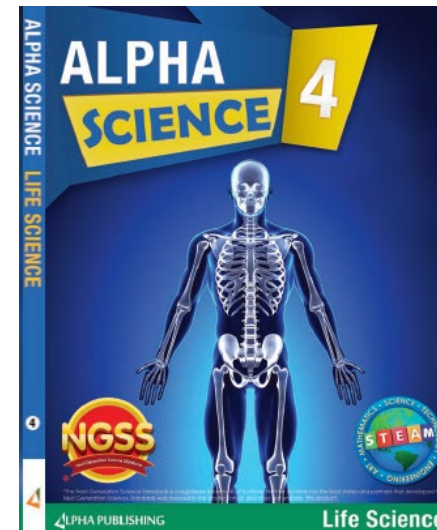
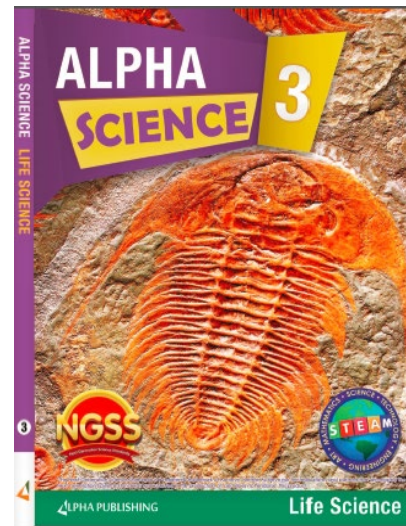
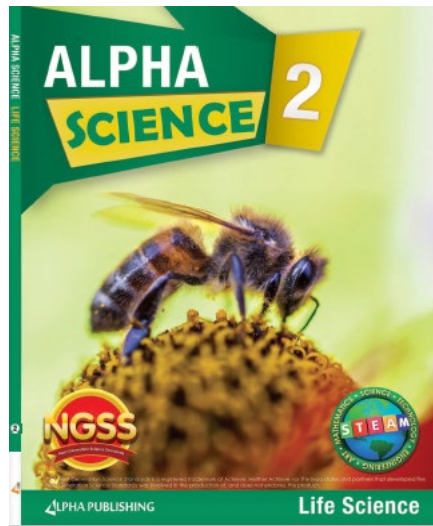
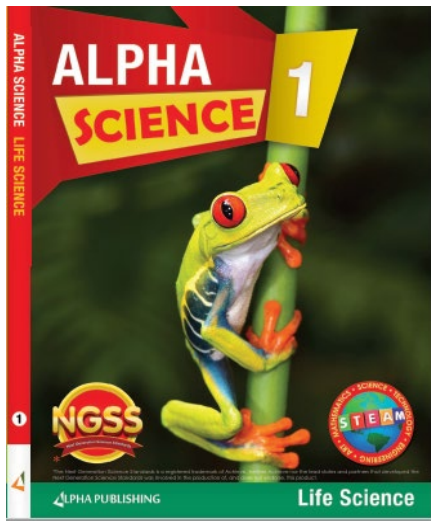
- Lesson quizzes- 5 items each
- Chapter tests- 25 items each
- Beginning-of-year tests- 30 items each
- End-of-year tests- 30 items each



Elementary Science (G1-5)

- From Alpha Print Assessments
 - Pre-assessments
 - Lesson Quizzes
 - Chapter Tests

- From Alpha Student Books
 - Lesson Reviews
 - Chapter Reviews
 - Unit Tests



Item Types *

<https://authorguide.learnosity.com/hc/en-us/categories/360000074917-Question-Types>

Demonstrations *

<https://demos.learnosity.com/assessment/activities.php>

* No Login Required