

Before You Read

Before You Read How to Write an Essay
Proofreading Your Essay 1 2 3

There are **18** mistakes in this paragraph.
 Touch the mistakes in spelling, punctuation, and capitalization.

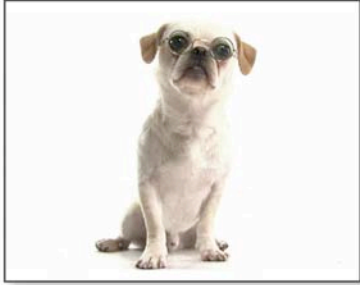
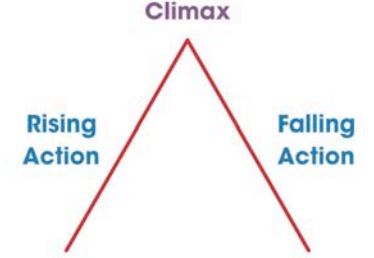
The holiday surprise

Last year was the best holiday that i ever had? All of my famly were together in one place for the first time in years. dad was working on a pressent for Mom and me in the garage. My brother, Jim, was home on leve from the Army. Grandpa and Grandma was coming to see us. It don't matter how many presents you get, love is the most special present of all. Having everone hear in one house made this the best holiday ever!

Reset

Reading Passage

Reading Passage Literary Devices
Plot





The Reading Watch Dog says,
 "Here is a Plot Diagram to help you understand the plot sequence of a story:"

Interactive Activity

Which Fictional Character are You?

Fictional Character Calculator **Traits**



Captain Hook
 From *Peter Pan*

A **cowardly** villain, Captain Hook is rightfully afraid of crocodiles. Even so, Hook is the most **fearsome** pirate in Neverland. A born **leader**, Hook's **energetic** nature serves him well in his ongoing hunt to capture Peter Pan.

helpful jealous

Reset

Extension Activity: Memory Match

Critical Thinking Memory Match Game

Anticipating Consequences Independent Thinking	Organization Asking Questions	Problem Solving Inferences
Being free to make choices	?	To put thought, ideas and things in order
?	?	?
?	Independent Thinking	?

Mix Reset

Vocabulary Flash Cards

Reading Passage **How to Write a Book Report**
Oral Book Reports

Vocabulary - touch the card to reveal the definition

Oral Using the mouth to transmit speech	Visual Aids
Outline	Transition Movement or change from one position to another
Body Language	Quotation


Graphic Organizer Reading Passage

Reading Passage **Reading Comprehension**
Main Idea


Using Graphic Organizers to Identify Main Idea

In addition to the main idea, you will find one or more **supporting details** are included in the selection. Supporting details are pieces of information that tell about the main idea. They define, explain, prove or analyze the main idea of a text. An excellent way of keeping your thoughts in order is to use a **graphic organizer** — a diagram or drawing that helps you organize your ideas on paper.


Graphic Organizers for Main Idea



Main Idea Chart



Concept Map



Fishbone Map

(Touch a G.O. for the definition, and to use your Interactive Pen. Touch again to return.)

Interactive Activity

Decision Tree

You and a friend are walking home from school on a warm afternoon when you come to a fork in the road. The road to the left takes you through a forest and will take you longer to get to your house. The road to the right is quicker, but takes you through a construction site.

Do you:

GO LEFT
GO RIGHT

Do you:

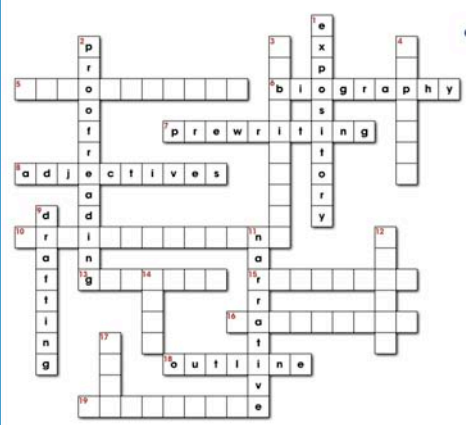
TURN BACK
GO INSIDE THE SITE

You notice the site is empty so you both make your way through it. You see a house in the middle of being built.
 (continue)

?

Extension Activity: Crossword

Crossword Reset ?



Word List

- brainstorming
- graphic
- informative
- objective
- paragraph
- revision

Across / Down

16. A collection of sentences about the same main topic.

18. A plan for writing is an _____.

19. A type of descriptive essay.

After You Read

After You Read Literary Devices Plot

1 2 3 4 5

Touch the word(s) that correctly completes the sentence.

c) A plot ends in a resolution, or a tying-up of all the loose ends left in the story.

resolution introduction falling action

d) There are _____ stages of plot development.

three five seven

Open Discussion:
Describe the stages of plot development for one of your favorite stories.

Reset

Reading Passage

Reading Passage How to Write a Paragraph Proofreading Your Paragraph

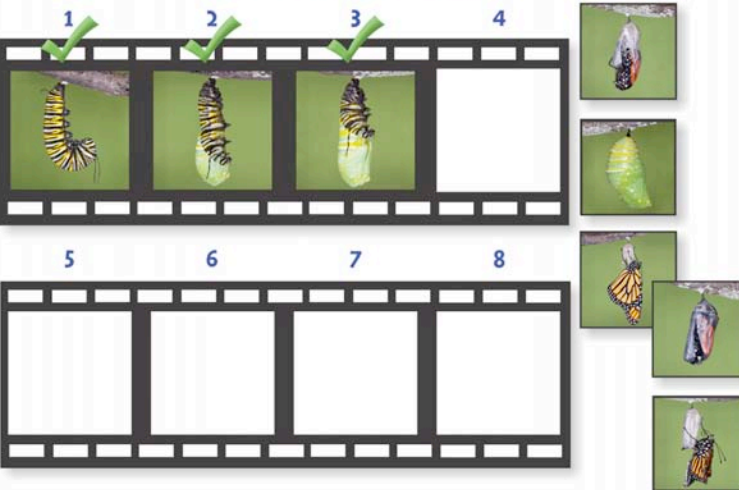


The Writing Watch Dog says,
"These are 25 of the most often misspelled words:"

too	it's
a lot	know
because	finally
there	again
their	they
favorite	Christmas
that's	went
our	until
when	outside
sometimes	said
really	we're
they're	different
were	

Interactive Activity

Story Sequence Chart



1 2 3 4

5 6 7 8

Reset

Extension Activity: Word Search

Word Search

Using a pen from the tray, circle the hidden words in the puzzle.

a	e	n	i	l	e	m	i	t	j	y	i	a	p	h
z	u	y	o	k	w	s	v	o	l	r	s	c	a	p
x	m	d	s	i	t	b	w	p	f	o	r	i	n	a
h	x	l	i	j	s	m	e	i	u	s	o	r	f	r
y	q	i	f	e	g	i	k	c	x	n	g	b	x	g
l	p	s	q	d	n	g	v	d	j	e	n	u	b	a
s	z	t	a	d	p	c	n	e	r	s	i	r	q	r
t	n	i	e	t	i	a	e	q	r	p	t	s	k	a
a	g	n	w	u	m	d	o	j	d	o	i	r	e	p
t	t	g	e	m	g	n	i	t	f	a	r	d	w	p
e	p	f	o	v	q	r	h	p	d	n	w	z	f	j
m	l	c	e	l	e	c	n	e	t	n	e	s	a	b
e	g	n	i	d	a	e	r	f	o	o	r	p	x	v
n	o	i	t	s	e	u	q	h	i	q	p	m	j	y
t	c	a	f	d	l	n	w	m	a	r	g	a	i	d

audience
command
diagram
drafting
fact
indent
listing
paragraph
period
prewriting
proofreading
question
revision
rubric
sensory
sentence
statement
timeline
topic
venn

Flash Cards

Flash Cards High Frequency Picture Words Match and Print

Picture Words - touch the card to see the picture word

The interface features a blue header with a hand cursor icon, the text 'Flash Cards', and 'High Frequency Picture Words Match and Print'. Below the header, it says 'Picture Words - touch the card to see the picture word' and has a progress indicator with numbers 1, 2, 3, 4. The main area shows a large white card with a black watch on the left and the word 'watch' on the right. There are other cards partially visible in the background.

Working With Words

Working With Words High Frequency Sight Words Mixed Up Words - K

Arrange the letters to form the words by dragging the letters to their correct order. (touch the image to enlarge)

The interface has a blue header with a hand cursor icon, 'Working With Words', and 'High Frequency Sight Words Mixed Up Words - K'. It includes a progress indicator with numbers 1, 2, 3. The main area contains four word puzzles: 'ride' (with 'i' and 'd' above), 'ran' (with 'a' and 'n' above), 'we' (with 'e' above), and 'eye' (with 'y' above). There are green checkmarks above the first two, and a 'Reset' button at the bottom right.

Interactive Activity

Boxed Words Scarecrow

b c d f g h i k m
n o q r s u v w x y z

Puzzles 1 2 3 4

The interface has a blue header with a hand cursor icon, 'Boxed Words Scarecrow', and 'Puzzles'. It shows a grid of letters: 'b c d f g h i k m' and 'n o q r s u v w x y z'. Below the grid is a cartoon scarecrow. To the right of the scarecrow is a word puzzle: 'l _ t t l e'. Below that is a hint box: 'a _ mouse'. There is a 'Reset' button at the bottom right.

Graphic Organizer

Graphic Organizer High Frequency Picture Words Match and Print

Match the Picture

	Picture	Picture Word
1.		
2.		
3.		
4.		

The interface has a blue header with a hand cursor icon, 'Graphic Organizer', and 'High Frequency Picture Words Match and Print'. It says 'Match the Picture'. Below is a table with four rows and three columns: 'Picture', 'Picture Word', and an empty column. Each row is numbered 1 through 4. There are red circles to the right of each row. A 'Reset' button is at the bottom right.

Printable Reading Passages

Printables - Reading Passages Simple Machines



What Are Force, Motion, and Work?



What Are Simple Machines?



Levers



Wheel & Axles and Pulleys



Inclined Planes, Wedges, and Screws



Compound Machines



Gains and Losses with Simple Machines

Reading Passage



Reading Passage

Global Warming: Effects
Sea Level Changes

A change in Earth's climate causes changes in sea level. When the climate becomes warmer, sea level rises. The rise in sea level has two causes.

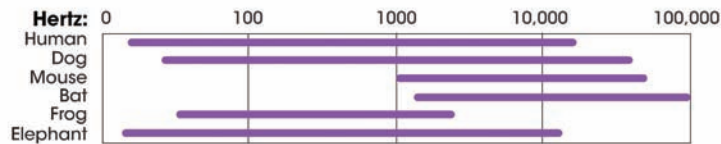
When water heats up, it **expands**. In other words, warmer water takes up more space than cooler water. The difference is small; you wouldn't notice the water in a glass expanding as it warms. However, because the amount of water in the oceans is so great, even a small change in temperature can expand the surface water enough to cause a measurable rise in sea levels.



Sea levels also rise due to the addition of [continue reading](#)

Interactive Activity

Ranges of Hearing



20-20,000 Hz



(label)



(label)

16-12,000 Hz

40-60,000 Hz



(label)



50-4,000 Hz



(label)

1,000-70,000 Hz

2,000-120,000 Hz

Reset

Timeline

The Growth Cycle of a Fetus Timeline

4 Weeks / 1 Month

9 Weeks / 2 Months

12 Weeks / 3 Months

16 Weeks / 4 Months

20 Weeks / 5 Months

24 Weeks / 6 Months

28 Weeks / 7 Months

32 Weeks / 8 Months

38 Weeks / 9 Months



28 Weeks / 7 Months: The fetus weighs about 3 pounds (1.5 kg) and is more than 15 inches (38 cm) long. The fetus can now open and close their eyes and has the ability to follow a light. The brain and nervous system begin to develop more rapidly.

Reset

Before You Read

Before You Read

Global Warming: Causes
Greenhouse Gases: Ozone

1 2

Earth's Atmospheric Layers
Label the diagram below by dragging the words from the list.

ozone layer troposphere stratosphere

Reset

Reading Passage

Reading Passage

Cells, Skeletal & Muscular Systems
Cell Structures and Functions

Cell Part	Where Is It?	What It Does	Job in the Factory
Cell Membrane	Surrounds the cell	- Separates the inside of the cell from its environment - Some elements are let in, some are kept out	- The factory wall or fence

STOP

What is the **OUTSIDE** part of a cell and why is it important?

(press here for answer)

Interactive Activity

Carbon Neutral Home

INTERACTIVE HOUSE
Power and data distributed around the house to allow wired & wireless internet everywhere, using easily accessed routes under the floor

Reset

Extension Activity: Memory Match

Kinds of Force Memory Match Game

Friction	Air Resistance	Contact Force	Gravity	Magnetic Force	Electrostatic Force
?	?		?	?	?
?	?	?	Air Resistance	?	?
	?	Electrostatic Force	?	?	?

Mix Reset ?

Vocabulary Flash Cards

Reading Passage **The Nervous System – Spinal Cord and Nerves** Senses, Nervous & Respiratory Systems

Vocabulary - touch the card to reveal the definition

Spinal Cord	Vertebrae Any of the bones or segments that create the spinal column
Neurons A specialized cell that is the functional unit of the nervous system	Motor Nerves
Sensory Nerves	Senses

Reading Passage

Reading Passage **Vibrating Motion** Motion

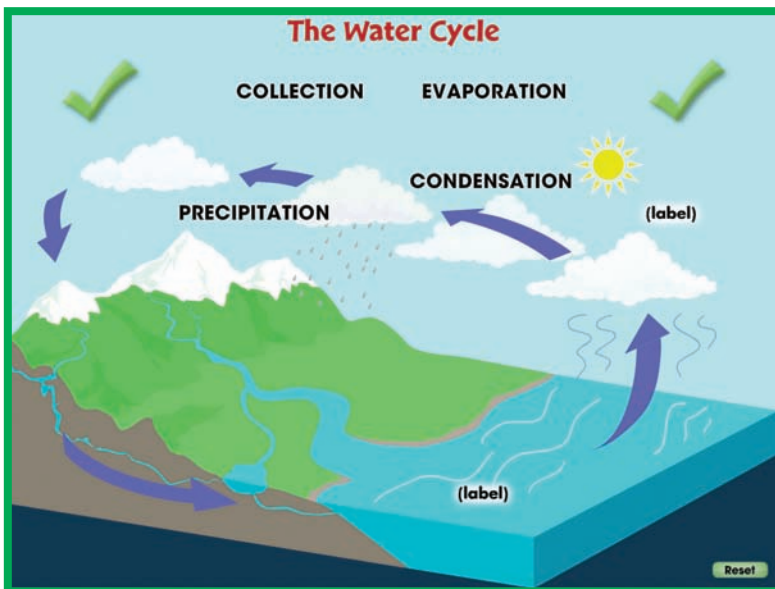
The pictures to the right show four things that move with a vibrating motion, arranged from most pleasant to most unpleasant. When something vibrates it moves back and forth or up and down.



We can see the jackhammer and woodpecker's head moving back and forth. The motion of the guitar strings and humming bird's wings are so fast we just see a blur.

The speed of the vibration is called the **frequency**. Frequency tells how often (how frequently) the thin **continue reading**

Interactive Activity



Extension Activity: Crossword

Crossword Reset ?

Word List

- colon
- esophagus
- lungs
- pores
- small intestine
- white

Across / Down

12. This is removed from waste in the large intestine.

15. This organ is coiled like a snake. (2 words)

17. The main job of the liver is to _____ blood.

18. Small holes in our skin that sweat comes out of.

After You Read

After You Read Force

Other Forces That Act Without Touching

1 2 3 4 5

Drag the correct symbol to complete the magnetic force graphics below.

WELL DONE!

a)

b)

Reset

Reading Passage

Reading Passage Senses, Nervous & Respiratory Systems


The Nervous System – Spinal Cord and Nerves

Why is our spinal cord inside our vertebrae?

For protection.

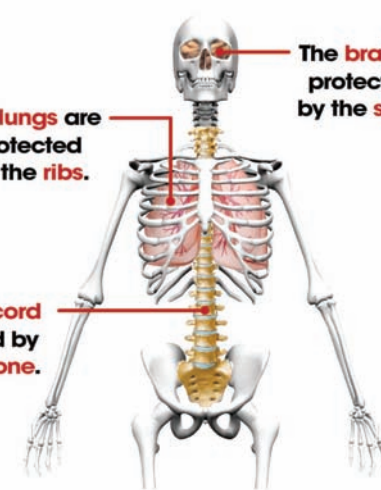
The Nerves

Nerve cells (also called **neurons**) have the job of carrying messages. They carry messages to and from the brain through the spinal cord to every part of the body. Nerve cells are connected to our spinal cord and each other. They have tiny ends, like threads, so they can reach everywhere in our body.



Interactive Activity

Bones and Organ Protection



The brain is protected by the skull.

The lungs are protected by the ribs.

The spinal cord is protected by the back bone.

Reset

Extension Activity: Word Search

Word Search

Using a pen from the tray, circle the hidden words in the puzzle

axle
distance
energy
exert
force
fulcrum
lever
meter
metric
motion
newton
pivot
plane
power
pulley
resistance
screw
watt
wedge
wheel
work

B	W	H	E	E	L	C	D	T	F	S	E
G	A	N	H	C	R	J	R	K	E	C	N
K	T	O	L	M	N	E	N	P	N	R	E
R	T	I	E	L	X	A	W	A	A	E	R
O	Q	T	R	E	S	R	T	O	L	W	G
W	F	O	R	C	E	S	T	S	P	V	Y
E	W	M	X	V	I	Y	Z	I	I	B	E
D	C	D	E	S	F	R	V	G	H	D	L
G	J	L	E	K	N	O	T	W	E	N	L
E	L	R	M	E	T	E	R	E	M	N	U
P	Q	R	F	U	L	C	R	U	M	S	P

Pre-Assessment

Pre-Assessment | Number & Operations
Counting & Ordering Objects

Count the number of objects in each group.

4 frogs = 4

3 shells = 3

6 cherries = 6

WELL DONE!

Reset

Practice The Skill

Practice the Skill | Number & Operations
Fractions

What fraction is shaded?

3/4 = 0.75

3/6

1 2 3 4 5 6 7 8 9 0

Reset

Extension Activity: Board Game

Number & Operations Board Game

TEAM A

What fraction of the following shapes are triangles?

a) $\frac{2}{8}$

b) $\frac{3}{8}$

c) $\frac{3}{6}$

START

END

Mix Reset ?

Extension Activity: Spinner Game

Number & Operations Spinner Game

00:13 %

What is the place value of the following underlined digit:
2,805

a) tens

b) ones

c) hundreds

Mix Reset ?

Learn The Skill

Learn the Skill Algebra
Ordering & Grouping

ES Put the following pictures in order from smallest to largest.

A B C D

SMALLEST B D C LARGEST

Touch for Solution

A

Reset

Practice The Skill

Practice the Skill Algebra
Number Sentences & Fact Families

ES Are the following number sentences true or false?

$9 + 3 + 3 = 6 + 1 + 7$

TRUE FALSE

00:47

2/6

1 3

Reset

Extension Activity: Memory Match

Algebra Memory Match Game

?	2_4	?	
ABB	<	?	?

Mix Reset ?

Extension Activity: Spinner Game

Algebra Spinner Game

00:37 $\frac{3}{6}$

What number is missing in the following number chart?

12		14	15	16
----	--	----	----	----

a) 11
b) 13
c) 10

Mix Reset ?

Learn The Skill

Learn the Skill **Geometry**
Composing Geometric Shapes

ES 1 2 3 4 5 6 7 8

Use the provided shapes to create a robot. Drag the shapes to the outline of a robot to the right.

Touch for Solution

Reset

Practice The Skill

Practice the Skill **Geometry**
Spatial Relationships

ES 1 2 3

Find the animal or figure in the following locations.

4/6

Which animal comes before the turtle?

fish cat lizard

Reset

Extension Activity: Memory Match

Geometry Memory Match Game

?	?	?	
	?	before	symmetrical

Mix Reset ?

Extension Activity: Board Game

Geometry Board Game

TEAM A **END**

Which 3-D figure is made with 6 squares?

a) cylinder
b) rectangle
c) cube

TEAM A

TEAM B


START



Mix Reset ?


Pre-Assessment

Pre-Assessment Measurement Temperature & Currency

ES How much money is pictured below? 1 2

a)  \$0.25 \$0.35 \$0.30

b)  \$  ? 5

c)  \$0.25 \$0.27 \$0.22


Reset

Teach The Skill

Teach The Skill Measurement Area & Volume

ES **Volume** is a way to measure how much a container can hold. If you want to know how much juice a glass can hold, you need to find the volume. A glass, a tablespoon, and a pitcher of orange juice are shown below. See how many tablespoons of orange juice will fill the glass.


0 tablespoons

touch → 

Reset

Extension Activity: Memory Match

Measurement Memory Match Game

	cold	?	?
?	32°F (0°C) =	?	3:30

Mix Reset ?

Extension Activity: Spinner Game

Measurement Spinner Game

00:28 $\frac{3}{6}$

A rectangle has a side length of 6 units and a side width of 2 units. What is the area of the rectangle?

a) 16 square units
b) 12 square units
c) 32 square units


Mix Reset ?


Teach The Skill


Teach the Skill Data Analysis & Probability Pictographs

Based on the information recorded in the pictograph, you can then find the probability of another animal being added to the farm. For example:

Animals on a Farm

Chickens  = 2 animals

Pigs 

Sheep 

What is the probability of another sheep being added to the farm?


sheep = $\frac{6}{24}$

(continue) Reset

Practice The Skill

Practice the Skill Data Analysis & Probability Probability

A marble collection is shown below. Answer the following questions.



How many marbles are orange?

1 2 3 4 5 6 7 8 9 0 Reset

Extension Activity: Board Game

Data Analysis & Probability Board Game

TEAM B

There are 2 blue triangles, 3 red squares and 1 green circle. How many shapes are triangles?

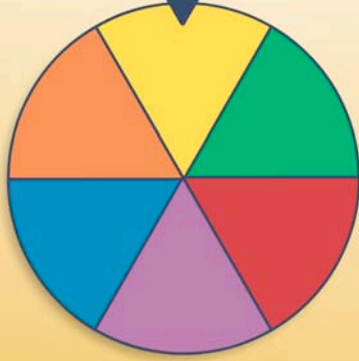
a) 2
b) 3
c) 1

START Mix Reset ?

Extension Activity: Spinner Game

Data Analysis & Probability Spinner Game

00:11 $\frac{0}{6}$



Which color in the circle graph are students less likely to land on?

a) blue
b) red
c) green

Mix Reset ?

Teach The Skill

Teach the Skill Number & Operations
Base-Ten & Place Value

Base-Ten is a number system that is based on the number 10. It is known as the decimal system. The base-ten system uses symbols 0-9 and columns for place value. Base-Ten blocks are a useful tool to help visualize the base-ten number system. They come in units, rods, flats and cubes.

cube = 1000 units (continue)

ES 1 2

Reset

Learn The Skill

Learn the Skill Number & Operations
Fractions - Addition & Subtraction

WELL DONE!

friend: she used $\frac{4}{10}$ of whole wheat bread and $\frac{4}{10}$ of white bread. How much more whole wheat bread did Aubrey use?

(touch the image to enlarge)

0.4 = $\frac{4}{10}$

1 0 = $\frac{10}{10}$

1 2 3 4 5
6 7 8 9 0

00.4

2
5

or Solution

1 2 3 4 5 6 7 8 9 0

Reset

Extension Activity: Board Game

Number & Operations Board Game

TEAM A
Add the following base-ten blocks:

a) 4
b) 208
c) 28

TEAM A
TEAM B

START

END

Mix Reset ?

Extension Activity: Memory Match

Number & Operations Memory Match Game


$281.6 =$	$\frac{3}{7} + \frac{1}{7} =$	tens	?
?	?	?	?
?	$\frac{4}{7}$	28 units	


Mix Reset ?


Pre-Assessment


Pre-Assessment Algebra Patterns

How would you show the following pattern using letters?


 ABA AAB ABB


 ABA AAB ABB

c) 
 ABA AAB ABB

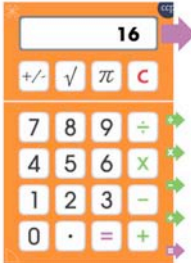
d) 
 ABA AAB ABB

Reset

Learn The Skill

Practice the Skill Algebra Equations - Solving for a Variable

Solve for "x" for the following equations.


 $16 + x = 24$
 $x = \square$

2/10

1 2 3 4 5 6 7 8 9 0

Reset


Extension Activity: Board Game

Algebra Board Game

TEAM A

How would you show the following pattern using letters?

a) ABA
 b) AAB
 c) ABB



TEAM A

TEAM B

START

END

Mix Reset ?

Extension Activity: Spinner Game

Algebra Spinner Game

00:13 $\frac{1}{10}$

Solve for x for the following equation:

$$9x + 3 = 23 - 2$$

a) 2
 b) 6
 c) 3

Mix Reset ?

Teach The Skill

Teach the Skill Geometry Polygons

ES 1 2

Polygons can also be simple or complex.
 A **Simple** Polygon has only one boundary and its line segments do NOT cross each other.
 Touch the simple polygons below.

(continue)

Reset

Practice The Skill

Practice the Skill Geometry Transformations & Symmetry

ES 1 2 3

Identify the following shape transformations as a reflection, translation, rotation, or enlargement.

rotation
 reflection ✓ 4/10
 translation
enlargement

00:40

Reset

Extension Activity: Memory Match

Geometry Memory Match Game

?	?		
?	?	?	?
	symmetrical	faces = 6	rotation

Mix Reset ?

Extension Activity: Spinner Game

Geometry Spinner Game

00:30 $\frac{2}{10}$

A 3-D figure has 3 rectangular faces and 2 triangular faces. What figure is it?

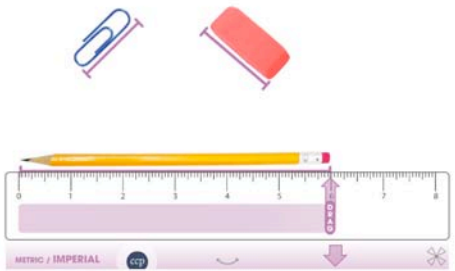
a) Triangular Prism
 b) Pyramid
 c) Rectangular Prism

Mix Reset ?

Learn The Skill


Learn the Skill  Measurement Lengths & Weights

1 2 3 4 5 6 7 8




METRIC / IMPERIAL

Practice The Skill

Practice the Skill  Measurement Temperature & Time

ES What times do the following clocks show? 1 2 3



3:00

1 2 3 4 5 6 7 8 9 0

✓ 1/10

Reset

Extension Activity: Memory Match

Measurement Memory Match Game

?	?	half past six =	12 inches =
?	1 foot	?	?
?	6:30	?	?

Mix Reset ?

Extension Activity: Board Game

Measurement Board Game

TEAM B

What is the perimeter of a triangle with side lengths of 12 units?

a) 36 units
b) 48 units
c) 72 units

START

TEAM A

TEAM B

END

Mix Reset ?

Pre-Assessment

Pre-Assessment Data Analysis & Probability
Pictographs & Frequency Tables

ES Answer the following questions based on the pictograph. Books Read = 1 book

Adriana	
Molly	
Evan	
Felipe	

1 2

How many books were read in total? **8 book(s)**

How many books did Adriana read? **2 book(s)**

How many books did Felipe read? **1 book(s)**

How many books did Molly and Evan read? **5 book(s)**

WELL DONE!

Reset

Practice The Skill

Practice the Skill Data Analysis & Probability
Probability & Percentages

ES Choose the likelihood of the following scenarios happening. 1 2 3

Rolling the number 4.

CERTAIN / LIKELY / UNLIKELY / IMPOSSIBLE

Reset

Extension Activity: Board Game

Data Analysis & Probability Board Game

TEAM A
What type of graph is shown?

a) pictograph
b) line plot
c) line graph

1 2 3 4

START END

TEAM A TEAM B

Mix Reset ?

Extension Activity: Spinner Game

Data Analysis & Probability Spinner Game

00:19 $\frac{1}{10}$

Based on the frequency table, how many students watched between 4 and 5 hours of TV?

hours	frequency
0-1	3
2-3	5
4-5	2
6-7	4

a) 4
b) 2
c) 5

Mix Reset ?

Pre-Assessment

Pre-Assessment Number & Operations
Place Value & Data Sets

Determine the place value of the underlined digit. 1 2

✓ $1\underline{2}3 =$ tens ten thousands

✓ $4,\underline{5}67 =$ thousands hundreds

✓ $345.\underline{7}8 =$ hundredths

✓ $2,781.\underline{0}2\underline{1} =$ thousandths ones
tenths

e) $\underline{9}9,724.281 =$ _____

f) $55.\underline{3}6 =$ _____

Reset


Learn The Skill

Learn the Skill Number & Operations
Rational Numbers

Michael needed 2 pounds 1 2 3 4 5 6 7 8

WELL DONE!

many pounds (kilograms) of apples will Michael have left?



(touch the image to enlarge)

✓ 4.3 pounds

$6.3 \text{ pounds} - 2.0 \text{ pounds} = 4.3 \text{ pounds}$

Imperial 1 2 3 4 5 6 7 8 9 0 Metric

Reset

Extension Activity: Board Game

Number & Operations Board Game

TEAM A
Multiply the following decimals:
 $12,061.10 \times 0.1$

a) 120,611
b) 120.61
c) 1,206.11

START END

Mix Reset ?

Extension Activity: Spinner Game

Number & Operations Spinner Game

00:44 $\frac{4}{15}$

Multiply the following fractions to their simplest form:
 $\frac{7}{12} \times \frac{2}{4}$







a) $\frac{7}{24}$
b) $\frac{2}{7}$
c) $\frac{1}{2}$

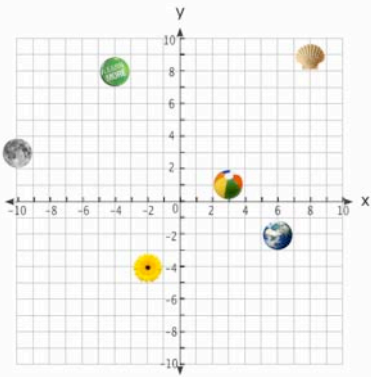
Mix Reset ?

Pre-Assessment

Pre-Assessment Algebra
Graphing Linear Functions

Cite the coordinates for the objects indicated. 1 2

✓ a)  $(-2, -4)$
 ✓ b)  $(-10, 3)$
 ✓ c)  $(6, -2)$
 d)  (\square, \square)
 e)  $(-\square, \square)$
 f)  (\square, \square)



1 2 3 4 5 6 7 8 9 0

Practice The Skill

Practice the Skill Algebra
Linear Equations

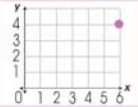
Solve the following two-step linear equations. 1 2 3

$t + 3.5 = 2.5 - 2.5$ $t = -\square$

1 2 3 4 5 6 7 8 9 0

Extension Activity: Memory Match

Algebra Memory Match Game

?	$y = 3$	2	$x = 4$	$2x + 9 = 21 - 4$
$10x + 6$	Simplify: $2(x + 3) - x(1 - 9)$?	?	
?	Since $2 - 4 = -2$, then $-2 + 4 =$?	$y = 4x - 9$, if $x = 3$?
(6,4)	?	?	?	?

Mix Reset ?

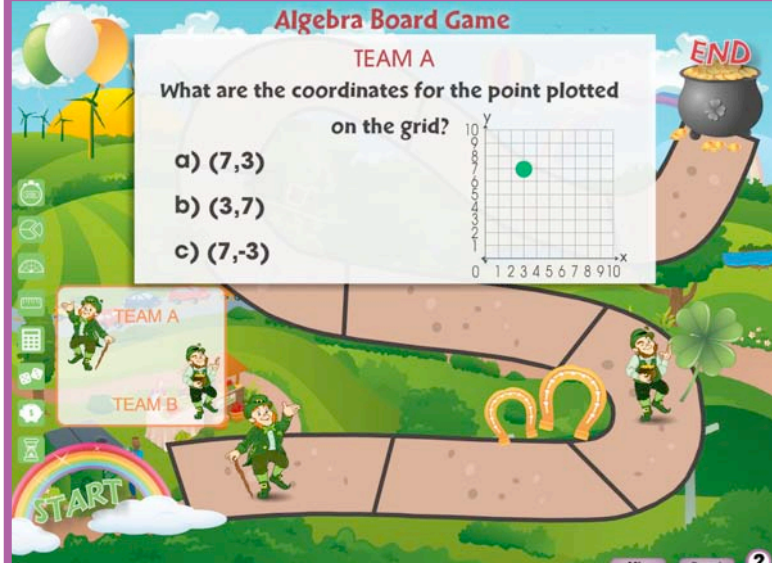
Extension Activity: Board Game

Algebra Board Game

TEAM A

What are the coordinates for the point plotted on the grid?

a) (7,3)
b) (3,7)
c) (7,-3)




1 2 3 4 5 6 7 8 9 10

Mix Reset ?

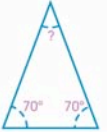
Teach The Skill

Teach the Skill Geometry
Angles & Triangles

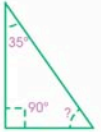
The sum of the angles in a **triangle** equals 180° .
To find the missing angle in a triangle, you could measure it using a protractor, or you could subtract the other angles from 180° . Match the missing angles on the right to the triangles on the left.




$180^\circ - 60^\circ - 60^\circ = 60^\circ$



$180^\circ - 70^\circ - 70^\circ = 40^\circ$



$180^\circ - 90^\circ - 35^\circ = 55^\circ$




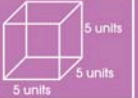


$180^\circ - 30^\circ - 40^\circ = \underline{\hspace{2cm}}$

105°
110°

Reset

Extension Activity: Memory Match

Geometry Memory Match Game

parallel lines	ray	?	?	?
surface area = 150 square units	?			
?	?	?	?	?
?	?	diameter = 6 units		?

Mix Reset ?

Learn The Skill

Learn the Skill Geometry
Circles


WELL DONE!

What is the radius of the Ferris wheel?
50 feet

What is the circumference of the Ferris wheel? (Round to the nearest whole number)
314 feet

radius = diameter ÷ 2
radius = 100 feet ÷ 2
radius = 50 feet

circumference = π x diameter
circumference = (3.14) x 100 feet
circumference = 314 feet



(touch the image to enlarge)

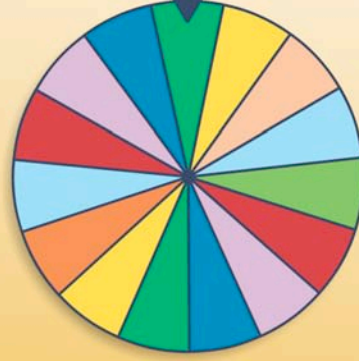
1 2 3 4 5 6 7 8 9 0

Reset


Extension Activity: Spinner

Geometry Spinner Game

00:29 $\frac{3}{15}$



What types of lines are pictured below?



a) intersecting
b) skew
c) parallel

Mix Reset ?

Pre-Assessment

Pre-Assessment Measurement
Temperature & Currency

ES Add a 15% tax to the following currency totals. (Round to the nearest hundredth) 1 2

a) $\$17.00 + 15\%$
= \$ **19.55**

b) $\$7.95 + 15\%$
= \$ **9.14**

c) $\$2.45 + 15\%$
= \$

d) $\$6.99 + \11.99
= \$

e) $\$8.95 + \$13.50 + 15\%$
= \$

f) $\$3.75 + \$9.95 + 15\%$
= \$


1 2 3 4 5 6 7 8 9 0 Reset

Learn The Skill

Learn the Skill Measurement
Perimeter & Area

ES **WELL DONE!** 1 2 3 4 5 6 7 8

82 km). Touch the image on the right to enlarge and measure the sides of the Bermuda Triangle with the ruler tool. Then, find the perimeter in inches (cm) and in miles (kilometers).



a) Perimeter = **22.93** inches

b) Perimeter = **2,980.9** miles


a) perimeter = length + length + length = 22.93 inches
b) 1 inch = 130 miles 22.93 inches x 130 miles
perimeter = 2,980.9 miles

Imperial Metric

1 2 3 4 5 6 7 8 9 0 Reset

Extension Activity: Memory Match

Measurement Memory Match Game

?	32,000 ounces =	41°F =	?	?
circumference = 10.99 units	?	?	?	5°C
2,000 pounds	8,000 meters =	?		8 Kilometers
\$3.75 + \$8.65 - \$2.45 =	?	\$9.95	?	?

Mix Reset ?


Extension Activity: Board Game

Measurement Board Game

TEAM B

What is the diameter of the circle?

a) 4 units
b) 8 units
c) 16 units

8 units 

START END

Mix Reset ?

Teach The Skill

Teach the Skill Data Analysis & Probability
Mean, Median, Mode

ES 1 2

Mean, Median and Mode tell you important information about a set of data. The **Range** is the difference between the largest and smallest numbers in a set of data. The **Mean** is the average of a group of numbers. To find the mean, add up all the numbers in a set of data and divide the sum by the amount of numbers in the data set.

3 + 4 + 2 + 4 + 2 ← touch

Reset

Practice The Skill

Practice the Skill Data Analysis & Probability
Scatter Plots, Line Plots & Line Graphs

ES 1 2 3

Determine whether the following scatter plots show a positive, negative or no trend.

Positive
Negative ✓ 1/15
No Trend

00:28

Reset

Extension Activity: Board Game

Data Analysis & Probability Board Game

TEAM B

Using the bar graph, how many students watched comedy movies?

a) 6
b) 5
c) 8

action cartoon horror comedy

START END

Mix Reset ?

Extension Activity: Spinner Game

Data Analysis & Probability Spinner Game

00:35 1/15

Predict whether the following outcome is likely, unlikely, or equal chance: rolling a number less than 6 on a standard 6-sided die

a) likely
b) unlikely
c) equal chance

Mix Reset ?