

# 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)

✓  $4.\underline{3}$  pounds

6.3 pounds - 2.0 pounds = 4.3 pounds

Imperial Reset  
Metric

1 2 3 4 5 6 7 8 9 0

# 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


TEAM A  
TEAM B

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


✓   ,

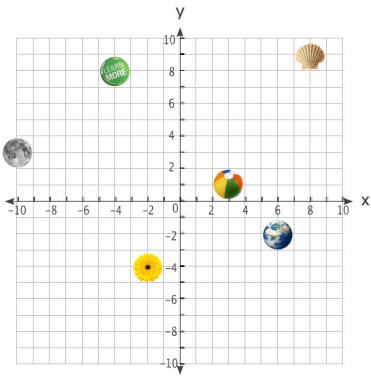
✓   ,

✓   ,

d)   ,

e)   ,

f)   ,




1 2 3 4 5 6 7 8 9 0 Reset

# Practice The Skill

Practice the Skill Algebra  
**Linear Equations**

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



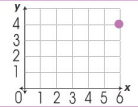
$t + 3.5 = 2.5 - 2.5$       $t = -$

1/15

1 2 3 4 5 6 7 8 9 0 Reset

## 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**

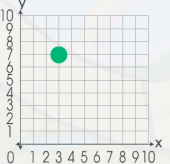
TEAM A

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

a) (7,3)

b) (3,7)

c) (7,-3)



START END

Mix Reset ?

# Teach The Skill

**Teach The Skill** Geometry  
Angles & Triangles

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

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

$180^\circ - 70^\circ - 70^\circ = \underline{40^\circ}$

$180^\circ - 90^\circ - 35^\circ = \underline{55^\circ}$

$180^\circ - 30^\circ - 40^\circ = \underline{\quad}$

105°  
110°

**Reset**

# Learn The Skill

**Learn The Skill** Geometry  
Circles

## WELL DONE!

1 2 3 4 5 6 7 8

✓ 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  $\div$  2  
radius = 100 feet  $\div$  2  
radius = 50 feet

circumference =  $\pi$  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: Memory Match

**Geometry Memory Match Game**

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

**Mix** **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

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

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

**WELL DONE!**

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

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

TEAM A TEAM B

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 ?