

# NumWorks Scavenger Hunt

## Teacher Tips:

- The slides below are in order
- Place them at random around the room including the *Calculator Hints*
  - Hint Ideas:
    - Place multiple copies of the Calculator Hints around the room so students can find them
    - Cut out the individual Calculator Hints and place them around the room too
    - Hold on to them, and have students come ask you for them
    - Make a student a “calculator expert” and give them the hints to be a resources for their peers
- Students can start at any problem and its answer will tell them which problem to go to next
- Students will be asked to record the shape of the problem they are working on and the answers on their answer sheet



# NumWorks Scavenger Hunt

## Student Instructions

- With a partner, start at one of the cards around the room
- Draw the shape on the left side of the card on your answer sheet
- Solve the problem and record your answers on the answer sheet beside the shape for that problem
- Find your next problem by looking for the answer to your previous problem in **decimal form** around the room
- There are *Calculator Hints* around the room as well if you get stuck



## Answer to Previous Problem

# 5

Shape

$\Phi$

## New Problem

Use your Calculation app to find  $\frac{4\pi^2}{100}$

Write the simplified fraction and decimal rounded to two places.



## Answer to Previous Problem

# 0.39

Shape

$\pi$

## New Problem

Use your Solver app to solve the **equation**  $5x+6(x-4)=9x-7$

Solve the equation, write the solution as both a fraction and decimal.



## Answer to Previous Problem

# 8.5

Shape



## New Problem

Use your Calculation app to evaluate  $\sqrt{50}$

Write the simplified radical and decimal rounded to two places.



## Answer to Previous Problem

# 7.07

Shape

$\lambda$

## New Problem

Use your Calculation app to find the greatest common divisor of 9, 15, 33.

Write the greatest common divisor.



## Answer to Previous Problem

# 3

Shape

$\Psi$

### New Problem

Use your Statistics app to input the table

Use your Stats tab to find the mean.

Value $V_1$	Frequency $N_1$
3	1
5	1
6	1
2	2
1	5
4	1



## Answer to Previous Problem

# 2.45

Shape

$\rho$

## New Problem

Use your Grapher app to look at the graph of  $y=5x+20$

Use the Toolbox key to find the x-value when  $y = -4$  (Find the inverse image).





## Answer to Previous Problem

# -4.8

Shape

$\beta$

## New Problem

Use your Statistics app to input the table

Go to the **Graph Tab**

Value V1	Frequency N1
2	1
1	1
5	1
6	1
10	1
11	1
7	1

Select the **Boxplot** and navigate through the boxplot to find the median of the data.



## Answer to Previous Problem

# 6

Shape

$\alpha$

### New Problem

Use your Solver app to solve the system of **equations**

$$y = 3x + 2$$

$$3x + y = -5$$

Write down the solution to the system in fraction and decimal form rounded to two decimal places.



To find the next problem look for the y-value in decimal form.

## Answer to Previous Problem

# -1.5

Shape

$\Sigma$

## New Problem

Use your Grapher app to graph  $y=4-x^2$

Using the **Graph** or **Table** tab, find the y-value when  $x = -3$ .



## Answer to Previous Problem

# -5

Shape

$\sigma$

## New Problem

Use your Calculation app to add  $\frac{1}{4} + \frac{8}{5}$

Write the sum as an improper fraction and decimal.

\*Bonus if you can find the mixed fraction form of the answer as well.\*



## Answer to Previous Problem

# 1.85

Shape

$\phi$

## New Problem

Use your Regression app to input the table

X1	Y1
-5	35
-2	26
1	17
3	11
6	2

On the **Graph tab**, use the Toolbox to create a linear regression.

What is the slope of the linear equation?



Shape

$\delta$

## New Problem

Use your Grapher app to graph  $5x+2y=10$

Write down the y-intercept of the graph.

