1

Jerome and Tara
tournament w
scores for the
If their final s
four rounds, w

	Roun
Jerome	
Tara	

A) Jerome's
was 2 less

B) Jerome'
was 2 m

C) Jerom
was 1

D) Jerom
wa

4

In football, a te
difference between
team and the point
The table below gi
points against for
had the fewe

	Team A	Tea
Points Scored by the Team	384	349
Points Scored Against the Team	426	397

A) Team A
B) Team B
C) Team C
D) Team D
E) Team E

L
Jo
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Sel

7

An airplane is flying
8,920 feet, directly
is located 150 feet b
skydiver jumps ou
descends at a ra
second, how far
be from the ba
after 4

A) 85 feet
B) 80 feet
C) 70 feet
D) 210 feet
E) 230 feet

10

LOSS   PROFIT

Due to overhead costs, a
company recorded -$3,500 in
profits for the year 2019.
In 2020, they recorded a
$130 profit each month. Find
the total profit for 2019 and
2020 combined.

A) -$5,060
B) $5,060
C) -$1,940
D) -$1,870
E) -$2,120

to get on the news
to win a radio contest
to go viral
to skip school
to inspire others

INTEGER
applications

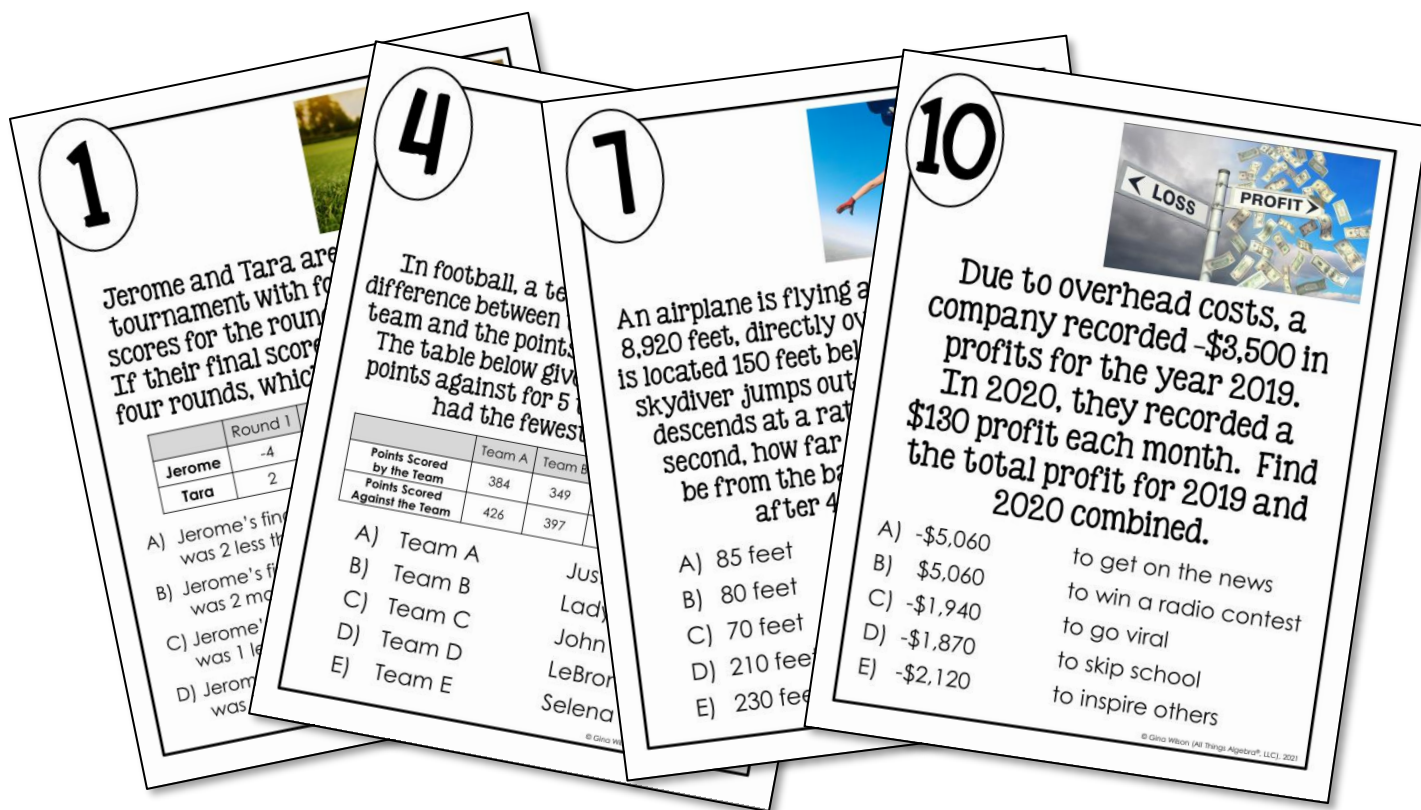## MATH LIB ACTIVITY

all things
ALGEBRA®

INTEGER APPLICATIONS
"Math Lib" Activity!

Objective: Students will practice adding, subtracting, multiplying, and dividing integers through application problems with this "Math Lib" activity. Some questions require more than one operations.

Activity Directions: Print and post the ten stations around the room. Give each student the worksheet to record their work as they travel to the stations. Group students (I typically do groups of 3) and assign to a starting problem. Set the timer for 3:30 minutes (more if needed). Students solve the problem at the station, then look for their answer and record the piece to the story. When the timer goes off, they move to the next station.

You are able to edit each slide to change the teacher name and all story elements to personalize for your students. PowerPoint is required to edit the slides. They enjoy seeing which one of their teachers is the "star" of the story!

1

Jerome and Tara are ~~~
tournament with fo~~~
scores for the round~~~
If their final score~~~
four rounds, which~~~

	Round 1
Jerome	-4
Tara	2

A) Jerome's fin~~~
was 2 less th~~~

B) Jerome's f~~~
was 2 mo~~~

C) Jerome~~~
was 1 l~~~

D) Jerom~~~
was~~~

4

In football, a te~~~
difference between~~~
team and the points~~~
The table below giv~~~
points against for 5 ~~~
had the fewest~~~

	Team A	Team B
Points Scored by the Team	384	349
Points Scored Against the Team	426	397

A) Team A
B) Team B
C) Team C
D) Team D
E) Team E

Jus~~~
Lad~~~
John~~~
LeBron~~~
Selena~~~

7

An airplane is flying a~~~
8,920 feet, directly ov~~~
is located 150 feet bel~~~
skydiver jumps out~~~
descends at a ra~~~
second, how far~~~
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after 4~~~

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E) 230 fee~~~

10

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E) -$2,120   to skip school
                   to inspire others

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10 Stations & Student Worksheet Included
You can change ALL story elements!

INTEGER APPLICATIONS *"Math Lib Activity!"*

Directions: Solve the problem at each station. Identify the answer and
fill in the blanks on the back to complete the story.

1

2

3

4

5

6

<table>
<tr><td>①</td><td>⑧</td></tr>
<tr><td>⑨</td><td>⑩</td></tr>
</table>

:: WRITE YOUR MATH LIB BELOW! ::

(1) _____ was (2) _____

to be (3) _____ with

(4) _____ on (5) _____

in (6) _____ at a (7) _____ while

wearing (8) _____ and (9) _____

because they wanted (10) _____!

1

Jerome and Tara played in a golf tournament with four rounds. Their scores for the rounds are given below. If their final score is the sum of their four rounds, which statement is true?

	Round 1	Round 2	Round 3	Round 4
Jerome	-4	5	-6	-2
Tara	2	-5	-4	-1

A) Jerome's final score was 2 less than Tara.   Mr. Wilkerson

B) Jerome's final score was 2 more than Tara.   Miss McBride

C) Jerome's final score was 1 less than Tara.   Mrs. Turner

D) Jerome's final score was 1 more than Tara.   Mr. Sparks

2

An underwater vessel descends 1,500 feet below the surface of the water. If it rises 385 feet, then descends another 125 feet, which represents the location of the vessel relative to the water?

A) -1,760 feet   embarrassed

B) -1,740 feet   shocked

C) -1,320 feet   honored

D) -1,260 feet   astonished

E) -1,240 feet   tickled pink

3

The following numbers represent the closing numbers in the stock market in the past 5 days. What is the average of the 3 highest closing numbers?

-126, -324, 141, -249, -207

A) -58   tap dancing

B) -64   riding bumper cars

C) -72   snowboarding

D) -128   playing volleyball

E) -260   planting trees

4

In football, a team's net points is the difference between the points scored by the team and the points scored against them. The table below gives the points for and points against for 5 teams. Which team had the fewest net points?

	Team A	Team B	Team C	Team D	Team E
Points Scored by the Team	384	349	280	434	430
Points Scored Against the Team	426	397	323	478	475

A) Team A   Justin Timberlake

B) Team B   Lady Gaga

C) Team C   John Legend

D) Team D   LeBron James

E) Team E   Selena Gomez

5

On a trivia game show, contestants earn 4 points for every question they answer correctly and lose 6 points for every question they answer incorrectly. If Alicia answers 14 questions correctly and 23 questions incorrectly, how many points does she have?

A) -82   Groundhog Day

B) -78   Election Day

C) 78   Halloween

D) 82   the last day of school

E) -194   Earth Day

6

The temperature of a liquid dropped 78 degrees from 1:00 PM until 4:00 PM. If the liquid began at 15° F and was cooling at a constant rate, what was the temperature of the liquid at 3:00 PM?

A) -11° F   Sweden

B) -52° F   Costa Rica

C) -63° F   Las Vegas

D) -37° F   Hawaii

E) -24° F   Dallas

An airplane is flying at an altitude of 8,920 feet, directly over a valley that is located 150 feet below sea level. If a skydiver jumps out of the plane and descends at a rate of 200 feet per second, how far will the skydiver be from the base of the valley after 45 seconds?

A) 85 feet   drive-in theater

B) 80 feet   parking garage

C) 70 feet   bowling alley

D) 210 feet   water park

E) 230 feet   zoo

8

Five students were assigned the following problems to simplify, then asked to place their problems in order from least to greatest. Once simplified, which student had the least value?

Student	Anna	Darryl	Grace	Walker	Chantel
Problem	$-9(-4)$	$-21-(-9)$	$-12-3$	$-96 \div 6$	$-18+(-7)$

A) Anna   bicycle helmets

B) Darryl   wigs

C) Grace   aviator sunglasses

D) Walker   cowboy boots

E) Chantel   fairy wings

9

An oil well is currently 1,600 feet deep. An oil crew is drilling the well further. After 4 days, they had drilled an additional 192 feet. If the rate at which they dig remains constant, find the total depth of the well after the tenth day of drilling.

A) -2,140 feet   playing harmonicas

B) -2,080 feet   throwing water balloons

C) -1,696 feet   blowing bubbles

D) -1,504 feet   eating ice cream

E) -1,120 feet   arm wrestling

10

Due to overhead costs, a company recorded –$3,500 in profits for the year 2019. In 2020, they recorded a $130 profit each month. Find the total profit for 2019 and 2020 combined.

A) -$5,060   to get on the news

B) $5,060   to win a radio contest

C) -$1,940   to go viral

D) -$1,870   to skip school

E) -$2,120   to inspire others

ANSWER KEY

1) Jerome's final score was 1 more than Tara.   (D – Mr. Sparks)

2) -1,240 feet   (E – tickled pink)

3) -64   (B – riding bumper cars)

4) Team B   (B – Lady Gaga)

5) -82   (A – Groundhog Day)

6) -37° F   (D – Hawaii)

7) 70 feet   (C – bowling alley)

8) Chantel   (E – fairy wings)

9) -2,080 feet   (B – throwing water balloons)

10) -$1940   (C – to go viral)

Thank you SO MUCH for purchasing this product!

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