

Grade 6

Exit Tickets

This document contains printable and customizable versions of the Exit Tickets recommended
in the Into Math Teacher Edition. The Exit Ticket is also available as a Projectable PDF on
Ed: Your Friend in Learning.

Exit Tickets are an optional way to wrap up a lesson. The problem provided for each lesson assesses
whether students grasped the lesson content.

To save paper when printing, the document is formatted with 2 to a page for some lessons and 4 to a page
in other lessons, based on the space students will likely need to answer the question(s).

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Module 1 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Jackson records the elevations, relative to sea level, that two fish are swimming. The first fish was at −6 feet, and the second was at −11 feet.

What are the opposite elevations and what do they represent?

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Four bank account balances are −$11, −$16, −$2, and $15. Write the balances in order from least balance to greatest balance.

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Module 1 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Three fish are swimming at three different elevations:

−1 foot, −5 feet, and −8 feet. Which fish is closest to the

surface of the water? How do you know?

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surface of the water? How do you know?

Module 2 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Denise lives in a two-story house with a basement. The first

story of the house is at ground level. The basement floor is

at an elevation of **−**10.5 feet and the second story floor has

an elevation of $12\frac{1}{4}$ feet.

Use the absolute value of each elevation to find the distance between the basement floor and the second story floor.

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Module 2 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Madeline lives on a farm. Each time it rains, she uses a rain

gauge to measure how much rain has fallen.

She records the following rain fall measurements (in inches): 1.9, 0.6, $\frac{1}{2}$, $\frac{1}{10}$. Write the rainfall amounts from least to greatest.

Module 2 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 2 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Donovan spent $\frac{2}{15}$ hour walking to the mailbox, $\frac{1}{6}$ hour walking to the library, and $\frac{2}{10}$ hour walking to the park.

Which took Donovan the longest amount of time to

walk to? Explain.

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Which took Donovan the longest amount of time to

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Module 2 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A stock exchange website records the following stock price changes: −2.49, 0.15, $1\frac{2}{10}$, $-\frac{8}{5}$

What are the stock price changes from least to greatest?

Module 2 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 3 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

An art project takes Misty $4\frac{2}{4}$ hours to complete. She works for $\frac{3}{4}$ hour each day. How many days does it take Misty to complete the art project?

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Module 3 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Joe has $1\frac{3}{4}$ trays of deviled eggs leftover after a family gathering. If he eats $\frac{1}{3}$ tray each day, how many days will it take to finish the leftover deviled eggs?

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The students of a school fill $5\frac{1}{4}$ buses for a field trip. Each

class fills $\frac{3}{4}$ bus. How many classes are riding on the buses?

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A bag of pretzels weighs $8\frac{1}{4}$ ounces. If it is separated

into $\frac{1}{2}$-ounce servings for lunches, how many servings will it contain?

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Module 3 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Tansy has $6\frac{1}{4}$ bags of potting soil to use in flower pots. Each flower pot uses $\frac{1}{5}$ bag of soil. How many flower pots can she fill with potting soil?

Module 3 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 4 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In a tropical year, it takes 365.242 days for Earth to travel

around the Sun. In a sidereal year it takes 365.256 days.

What is the difference in days between these two

measurements of one year?

Module 4 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 4 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ryan earns $11.50 per hour. Last week, he worked

12.5 hours. How much money did Ryan earn last

week?

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Module 4 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A company is buying another delivery truck. The truck costs

$11,834. The company can afford a monthly payment of

$200.

How many months will the company have to make

payments to pay off the truck in full? How much will the last

payment be?

Module 4 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 4 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A crate of limes weighs 33.39 pounds. If a lime weighs

approximately 0.21 pounds, about how many limes does

the crate contain?

Module 4 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 4 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The cost of 6.46 pounds of avocados is $9.69. How much

does 1 pound of avocados cost?

Module 4 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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does 1 pound of avocados cost?

Module 5 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Imelda has a package that contains 12 red balloons
and 15 white balloons. Identify a part-to-whole ratio,
a whole-to-part ratio, and a part-to-part ratio that
describe the balloons in the package.

Module 5 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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and 15 white balloons. Identify a part-to-whole ratio,
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describe the balloons in the package.

Module 5 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A train travels at a constant speed. After 3 hours, it has traveled 54 miles. What is the unit rate of the train in miles per hour? Construct a table to show how far the train traveled after 1 hour and 2 hours, and how far it will travel after 4 hours.

Module 5 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A train travels at a constant speed. After 3 hours, it has traveled 54 miles. What is the unit rate of the train in miles per hour? Construct a table to show how far the train traveled after 1 hour and 2 hours, and how far it will travel after 4 hours.

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Module 5 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Al sells a subscription of 5 issues of a magazine for $15. LaToya sells a subscription of 8 issues of the same magazine for $21.

Does Al or LaToya offer the less expensive unit rate for the

magazine? Explain.

Module 5 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Tom drained 2 tanks of water. The number of gallons in each tank and the time it took each tank to drain are shown in the table.



Which tank drained at a faster rate? Explain.

Module 5 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Which tank drained at a faster rate? Explain.

Module 5 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Tom drained 2 tanks of water. The number of gallons in each tank and the time it took each tank to drain are shown in the table.



Which tank drained at a faster rate? Explain.

Module 5 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A warehouse uses large trucks to ship goods to stores. A fleet of 3 trucks can empty 2 storage sections in the warehouse. If 18 trucks are needed to completely empty the warehouse, how many storage sections are there in the warehouse?

Module 5 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 6 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

There are 30 sixth graders, 40 seventh graders, and
20 eighth graders in the marching band. How many

degrees in a circle graph are needed to represent band members in each grade relative to the entire band?

Module 6 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

There are 30 sixth graders, 40 seventh graders, and
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Module 6 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A large rainwater collection barrel holds 400 gallons of water. How many pints of water does the rain barrel hold?

Module 6 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 6 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Doctors recommend that people drink 64 ounces of

water per day. How much water, in milliliters, do doctors

recommend people drink, to the nearest tenth?

Module 6 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 7 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Jimmy and Amanda are on an archery team. Jimmy hits 3 bull’s-eyes in every 20 shots. Amanda hits a bull’s-eye on 18% of her shots. Who hits bull’s-eyes more often? Explain.

Module 7 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Jimmy and Amanda are on an archery team. Jimmy hits 3 bull’s-eyes in every 20 shots. Amanda hits a bull’s-eye on 18% of her shots. Who hits bull’s-eyes more often? Explain.

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Module 7 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Ella wants to buy a new uniform for work that costs $32. Her employer promises to pay 20% of the cost, while Ella must pay the rest. How much money will her employer pay and how much must Ella pay?

Module 7 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 7 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Maria lives in a large city where she walks to and from work. On Friday, she walks 18 city blocks, which is 20% of the total number of city blocks that she walks during the week. How many city blocks does she walk during the week?

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Module 8 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A class assignment has 1 person give handwritten notes to

3 people. The next day each of the 3 people who received

notes gives notes to 3 more people. The next day, each of

the people who received notes on day 2 gives notes to 3

more people. Write an expression using exponents to

represent the total number of notes given out.

Module 8 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 8 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Evaluate the expression.

6 + 2 (3 − 1) + 52 (1 − 1)

Module 8 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 8 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Anthony uses a large truck and a small truck to transport

boxes to his new office. The smaller truck can carry half the

number of boxes plus 1 that the larger truck can carry. If the

larger truck can carry *x* boxes, write an expression for the

number of boxes the smaller truck can carry.

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Module 8 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Adinah and her friend planted a maple tree. The expression 3.1*a* + 5.2 can be used to find the height of the tree, in feet, after *a* years. How tall is the tree when *a* = 9?

Module 8 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 8 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A temperature change can be represented by the expression –0.5(1 – 2*h*). Chase says that the temperature change can also be represented by 4(2*h* + 2) – 7*h* – 8.5. Is Chase correct? Are both expressions equivalent?

Module 8 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 9 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mairead bought 6 tickets to a basketball game. She paid a total of $228. Write an equation to represent this situation.

Module 9 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 9 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

One evening, the temperature drops 12 °F to become 37 °F. What was the temperature at the beginning of the evening? Write and solve an equation to represent this situation.

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Module 9 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

In the weeks after a chick hatches, its mass increases by a

factor of 2.5 to become 180 grams. What is the chick’s mass

at hatching? Write and solve an equation to show the answer.

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Module 9 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A drugstore charges customers 40 cents to print a photograph. Regina spends $4.80 to print photographs at this store. How many photographs did she print? Write and solve an equation to find the answer.

Module 9 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 9 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A regular polyhedron is a solid figure with faces that are all the same shape and size. The faces of a regular polyhedron must have at least three but no more than five sides. Write an inequality that expresses *n*, the number of sides that the faces of a regular polyhedron may have.

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Module 10 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Explain how you can use an equation to complete a table of

values and graph the relationship.

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Module 10 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Yolanda spent $88.79 at the computer store. She counted

her money and discovered that she had $44.50 left. Write

and solve an equation to find how much money she

originally had.

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Module 10 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

William measured a plant over the course of five weeks. At

the end of Week 1, the plant measured 5.5 cm, and at the

end of Week 2, the plant measured 6.5 cm. At the end of

Week 3, the plant measured 7.5 cm, and at the end of

Week 4, the plant measured 8.5 cm. The plant continues to

grow at the same rate each week. Write an equation that

models the plant height, *h*, in centimeters, after *n* weeks.

Module 10 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 11 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Rectangle *ABCD* has Vertex *A* at (−1, 3) and Vertex *B* at

(−4, 3). The height of Rectangle *ABCD* is 5 units.

If Vertex *C* is in Quadrant II, what are its coordinates?

If Vertex *C* is in Quadrant III, what are its coordinates?

Module 11 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 11 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Classify figure PQRS with coordinates *P*(3, 7), *Q*(−1, 7),

*R*(3, −1), and *S*(−1, −1) using as many terms as possible.

Module 11 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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*R*(3, −1), and *S*(−1, −1) using as many terms as possible.

Module 11 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Classify figure PQRS with coordinates *P*(3, 7), *Q*(−1, 7),

*R*(3, −1), and *S*(−1, −1) using as many terms as possible.

Module 11 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Julie has put a map of the United States on a coordinate

grid. Phoenix is at approximately (−2.4, −4.2) and Atlanta is

at approximately (2.9, −4.2). If each unit on the grid represents 300 miles, what is the approximate distance

between Phoenix and Atlanta?

Module 11 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 11 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

On a coordinate grid, 1 square unit equals $\frac{1}{4}$ square mile.

A rectangular walking path has vertices at (−4, 5) (1, 5),

(−4, −5) and (1, −5). How long is the walking path?

Module 11 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 12 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Sue draws a parallelogram of base 2 inches and height

32 inches. Daniel draws a square with the same area as Sue’s parallelogram. What is the side length of the square?

Module 12 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 12 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 12 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Find the area of the triangle.



Module 12 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 12 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Alisa is making a design for the bottom of a dress using

trapezoid shapes cut from different colors of fabric. Each

trapezoid has base lengths 5 inches and 10 inches and a

height of 6 inches. How much blue fabric does she need for

4 trapezoids?

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Module 12 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Thomas prepares a rectangular-shaped cake of width 5

inches and length 12 inches. While the cake is cooling, a

mouse steals a section from one corner of the cake. The

stolen section has the shape of a right triangle, with each

leg length equal to 1 inch. What is the area of the cake that

remains?

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Module 13 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A sealed cardboard box is a rectangular prism. The box has

a width of 12 inches, a length of 12 inches, and a height of

10 inches.

Describe the shapes that make up the net for the box. Then calculate the surface area.

Module 13 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 13 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

An aquarium is in the shape of a rectangular prism. It has a

length of 18 inches, a width of 10 inches, and a height of

12 inches. After 200 cubic inches of gravel are placed on the

floor of the aquarium, how much water can the aquarium

hold?

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Module 13 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The state aquarium orders a new tank in the shape of a

rectangular prism that will hold 764.4 cubic feet of water.

The builder of the tank wants to use a glass wall that

measures 13 feet long by 10.5 feet tall. What must the width

of the tank be?

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Module 14 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Howard just completed the crossword puzzle in the daily

newspaper. Describe one non-statistical question and one

statistical question that he could ask about the puzzle.

Module 14 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 14 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The number known as pi is defined as the ratio between the

circumference and diameter of any circle. The first 20 digits

of pi are shown below. (Spaces are added for clarity.)

3.14 159 265 358 979 323 84

Construct a dot plot to show the frequency of the digits.

Module 14 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Construct a dot plot to show the frequency of the digits.

Module 14 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

These data show the numbers of students at Lincoln

Elementary School who were absent for each of the last

15 school days.

9, 10, 2, 12, 11, 5, 15, 19, 10, 6, 8, 4, 4, 6, 8

Make a frequency table and histogram to represent these

data.

Module 14 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 15 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

George rolled a number cube 10 times and found that each

number 1 to 5 appeared on exactly 2 rolls. The number 6

did not appear on any of the rolls. What is the balance point

of the rolled numbers?

Module 15 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 15 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review On My Own Problem 3, in which Eric recorded the

temperature for 10 days. Suppose that Eric recorded

temperatures for the next two days, which were 1 °F and

27 °F. How do the new values change the three measures of

center?



Module 15 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Review On My Own Problem 3, in which Eric recorded the

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27 °F. How do the new values change the three measures of

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Module 15 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Look again at Problem 4 in On Your Own. Add two additional circumference measurements to the data set, both of which are 17 inches. Then find the new answers to Parts B to E.

4. The circumference of a pumpkin is the distance

around it. The following are circumferences (in inches) of some pumpkins growing in a pumpkin patch:

16, 12, 14, 17, 15, 9, 8, 5.

B. What is the mean of the data?

C. What is the median of the data?

D. What is the mode of the data?

E. Which measure of center best represents this data? Explain.

Module 15 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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E. Which measure of center best represents this data? Explain.

Module 16 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For the following dot plot, describe any clusters, gaps, peaks

and symmetry and find the mode.



Module 16 Lesson 1 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

For the following dot plot, describe any clusters, gaps, peaks

and symmetry and find the mode.



Module 16 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw a box plot for the data set.

10, 16, 12, 13, 15, 18, 20, 11

Module 16 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Draw a box plot for the data set.

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Module 16 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 16 Lesson 2 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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10, 16, 12, 13, 15, 18, 20, 11

Module 16 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which points of the following data set do not fall within the

mean absolute deviation?

2.5, 3.9, 3.1, 3.7, 3.6, 1.4, 4.3, 3.2, 2.8, 3.0

Module 16 Lesson 3 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Which points of the following data set do not fall within the

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2.5, 3.9, 3.1, 3.7, 3.6, 1.4, 4.3, 3.2, 2.8, 3.0

Module 16 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the range, the MAD, and the IQR of the given data

set? What do these measures of variability tell you about

the data set?

10, 15, 20, 17, 16, 14, 16, 16, 15, 18

Module 16 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

What is the range, the MAD, and the IQR of the given data

set? What do these measures of variability tell you about

the data set?

10, 15, 20, 17, 16, 14, 16, 16, 15, 18

Module 16 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

The table below shows the number of hours worked each

week by various people at part-time jobs.



What is a possible statistical question that could have been

asked? What display might be used to display the data?

What features might you use to draw conclusions about the

data?

Module 16 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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