

Grade 7

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 4 to a page based on the space students

will likely need to answer the question(s).

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owners.

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

Describe a unit rate. Explain how you can use a unit rate to

make a table.

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

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Describe a unit rate. Explain how you can use a unit rate to

make a table.

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

Describe a situation involving distance traveled and time.

Make a proportional table to support your scenario. Write

the equation for the scenario. Underline the constant of

proportionality in your equation.

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

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Make a proportional table to support your scenario. Write

the equation for the scenario. Underline the constant of

proportionality in your equation.

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

Toni uses $\frac{2}{3}$ cup sunflower seeds to $\frac{1}{4}$ cup oat bran in a recipe for energy bars. What is the unit rate of cups of sunflower seeds to cups of oat bran that she can use to make any sized batch of energy bars?

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

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

Parking for 4 hours costs $10. Parking for 5 hours costs $12.

Is this a proportional relationship, and if so, what is the constant of proportionality?

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Is this a proportional relationship, and if so, what is the constant of proportionality?

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

Donnie earns extra money as a lifeguard. He earns $52.50

for 5 hours. Identify the constant of proportionality, and write an equation for the proportional relationship.

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

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

Weavers are making a carpet from a scale drawing. The

carpet will be 10 ft by 14 ft. Every 5 in. on the drawing

represents 7 ft of carpet. What are the length and width of the scale drawing?

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

A movie theater currently seats 400 people. After a renovation, the movie theater will have larger seats, so it

will only be able to seat 320 people. What is the percent decrease in the number of seats?

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will only be able to seat 320 people. What is the percent decrease in the number of seats?

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

A store sells boxes of detergent at a regular price of $4.55.

Next week, the detergent will be on sale at a 20% discount.

What will be the sale price?

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

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

Magdalena buys a lawnmower that costs $122.50. The sales

tax in her town is 8%. Write an equation of the form *y* = *kx*

to represent the amount of tax y on an item that costs

*x* dollars. Use the equation to find the amount of tax on the

lawnmower.

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

Liling is a salesperson at a computer store. She receives a

base salary of $2,300 per month and she receives a

commission of 3% on her sales. She also receives a fee of $8

for each extended warranty she sells. This month her sales

total is $44,000 and she sells 41 extended warranties. What

is her salary this month?

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

Jackson deposits $4,200 in a savings account that pays 3.5%

simple annual interest. What is the total value of the account after 10 years?

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

Jackson deposits $4,200 in a savings account that pays 3.5%

simple annual interest. What is the total value of the account after 10 years?

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

Jackson deposits $4,200 in a savings account that pays 3.5%

simple annual interest. What is the total value of the account after 10 years?

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

Jackson deposits $4,200 in a savings account that pays 3.5%

simple annual interest. What is the total value of the account after 10 years?

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

Nilda has 40 points on a game show. She answers the next

question incorrectly and loses 50 points. Sketch a number

line to find the new score.

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

Nilda has 40 points on a game show. She answers the next

question incorrectly and loses 50 points. Sketch a number

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

Elias is playing a board game and has 35 points. He chooses

a card that tells him how many points to add to his score.

The value on the card is –45. Write an addition expression

to represent this situation and find the sum.

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

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

Travis starts a hike at 10.2 meters above sea level. During

the hike, he descends a total of 12.6 meters. What is his final

elevation? What addition or subtraction equation represents the situation?

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

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

The morning temperature in Newtown was −5 °F. A warm

front moved in from the south, and the temperature rose

30°F. Write and evaluate an expression showing the current

temperature.

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

The morning temperature in Newtown was −5 °F. A warm

front moved in from the south, and the temperature rose

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30°F. Write and evaluate an expression showing the current

temperature.

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

The temperature in Fairfield is 8 °F and drops to −12 °F due

to an Alberta Clipper. Write and evaluate a subtraction

expression to determine the change in temperature.

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

The temperature in Fairfield is 8 °F and drops to −12 °F due

to an Alberta Clipper. Write and evaluate a subtraction

expression to determine the change in temperature.

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

The temperature in Fairfield is 8 °F and drops to −12 °F due

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expression to determine the change in temperature.

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

Henry’s checking account balance is −$4.26. He goes to the

bank and deposits $20. Write and evaluate an addition

expression to find his new balance.

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

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bank and deposits $20. Write and evaluate an addition

expression to find his new balance.

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

A bank account balance is $117.28 before $48.75 is withdrawn. Over the next three months $55 is deposited in

the account each month. Write and evaluate an expression

to determine the balance in the account at the end of the

three months.

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

A bank account balance is $117.28 before $48.75 is withdrawn. Over the next three months $55 is deposited in

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

Summarize the rule for multiplying or dividing two

numbers with the same or different signs.

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

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

Summarize the rule for multiplying or dividing two

numbers with the same or different signs.

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

Which is greater, the product of 1.5, 2, and −2.5, or the

product of 2.7 and 2.8?

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

Which is greater, the product of 1.5, 2, and −2.5, or the

product of 2.7 and 2.8?

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

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

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product of 2.7 and 2.8?

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

Write $-4\frac{2}{7}$ as a fraction in three different ways. Then explain

why it is or is not a rational number.

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

Write $-4\frac{2}{7}$ as a fraction in three different ways. Then explain

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

An ant crawls on a wall along a vertical path. The ant’s initial

elevation is 15 feet and the change in elevation is −2.4 feet

per minute. What is the ant’s elevation after 6 minutes?

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

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An ant crawls on a wall along a vertical path. The ant’s initial

elevation is 15 feet and the change in elevation is −2.4 feet

per minute. What is the ant’s elevation after 6 minutes?

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

To get to her music lesson, Natasha pays $1.25 in bus fare.

After her lesson, she buys a snack for $2.12 and pays

another $1.25 in bus fare. She has four music lessons a

week. Write and evaluate an expression showing her weekly

costs for transportation and snacks. State the properties

used.

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

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

A store discounts all purchases 10% off the listed price.

There is no sales tax. Luigi has $20. He thinks he can buy

11 pairs of socks at $1.89 a pair before the 10% discount.

Use estimation to decide if that is reasonable. Explain.

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

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Use estimation to decide if that is reasonable. Explain.

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

Lara is planting seedlings in small flower pots. She buys a

bag of soil that costs $4.55 and contains 16.25 cups of soil.

Each seedling requires $1\frac{1}{4}$ cups of soil. What is the cost of the soil for each seedling?

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

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

When 4 movie tickets are purchased, the fourth ticket is

sold at a discount of 60%. Write an expression for the cost of

4 tickets.

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

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sold at a discount of 60%. Write an expression for the cost of

4 tickets.

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

The base of an isosceles triangle is represented by the

expression 3*x* − 1. Each of the legs of the isosceles triangle

is twice the base. Write an expression for the perimeter of

the triangle listing each side. Simplify the expression.

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

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

Genevieve is 3 years older than twice her brother’s age.

Genevieve is 21 years old. Write an equation to find her

brother’s age.

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

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Genevieve is 21 years old. Write an equation to find her

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Module 7 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A plumber charges a one-time service charge of $80 plus an

hourly fee. The total cost the Jost family had to pay the

plumber for 3 hours was $350. Write and solve an equation

to find the plumber’s hourly fee.

Module 7 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

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Module 7 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lines *AC* and *BD* intersect at point *O*. The measure of ∠*AOB*

is 54° and is less than the measure of either of its adjacent

angles: ∠*AOD* and ∠*BOC*. What is the measure of ∠*AOB*,

∠*COD*, ∠*AOD*, and ∠*BOC*?

Module 7 Lesson 5 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Lines *AC* and *BD* intersect at point *O*. The measure of ∠*AOB*

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

Randall has finished $\frac{3}{5}$ of the minimum required pages for

his term paper. He has currently written 21 pages. What is

the number of pages he is required to write?

Write an inequality that represents the problem. Solve the

inequality.

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

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Write an inequality that represents the problem. Solve the

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

Pedro’s parents agreed to let him get a dog as long as he

pays for it. The animal shelter requires a $110 rehoming fee.

Pedro has $30 saved. He earns $17 per day from his part time job.

Write an inequality to determine the minimum

number of days he will have to work to save enough for the

new dog.

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

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

Raj has a sticker collection with 35 stickers. He wants to

have at least 100 stickers in his collection. If stickers come in

packs of 12, how many packs must he buy to reach his goal?

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

Raj has a sticker collection with 35 stickers. He wants to

have at least 100 stickers in his collection. If stickers come in

packs of 12, how many packs must he buy to reach his goal?

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

Raj has a sticker collection with 35 stickers. He wants to

have at least 100 stickers in his collection. If stickers come in

packs of 12, how many packs must he buy to reach his goal?

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

Raj has a sticker collection with 35 stickers. He wants to

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

Draw a circle with a diameter of 1 inch. If possible, inscribe a

triangle with two angles measuring 45°. If it is not possible,

justify your answer.

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

Draw a circle with a diameter of 1 inch. If possible, inscribe a

triangle with two angles measuring 45°. If it is not possible,

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

A sculptor has wooden boards of lengths 12 inches and

14 inches. The boards will be used to make a triangular

base to display a sculpture. Determine one possible board length for the third side of the base.

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

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

How many different triangles can you make with the same

three side lengths? How many different triangles can you

make with the same three angle measures?

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

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How many different triangles can you make with the same

three side lengths? How many different triangles can you

make with the same three angle measures?

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

How many triangles can you draw that have two sides with

lengths of 9 units and 5 units and a 60° angle between them?

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

How many triangles can you draw that have two sides with

lengths of 9 units and 5 units and a 60° angle between them?

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How many triangles can you draw that have two sides with

lengths of 9 units and 5 units and a 60° angle between them?

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

Emir bought a circular clock that is 14 inches across its face.

What is the circumference of the clock? Use $\frac{22}{7}$ for *π*.

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

Emir bought a circular clock that is 14 inches across its face.

What is the circumference of the clock? Use $\frac{22}{7}$ for *π*.

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

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What is the circumference of the clock? Use $\frac{22}{7}$ for *π*.

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

Emir bought a circular clock that is 14 inches across its face.

What is the circumference of the clock? Use $\frac{22}{7}$ for *π*.

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

A tennis racket has a circular head with a diameter of
16 inches. What is the area of the circular head? Use

3.14 for *π*.

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

A tennis racket has a circular head with a diameter of
16 inches. What is the area of the circular head? Use

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

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

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16 inches. What is the area of the circular head? Use

3.14 for *π*.

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

Find the area of a vertical cross section through the center

of the base of a cylinder with a height of 18 inches and a

radius of 18 inches.

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

Find the area of a vertical cross section through the center

of the base of a cylinder with a height of 18 inches and a

radius of 18 inches.

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

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

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of the base of a cylinder with a height of 18 inches and a

radius of 18 inches.

Module 10 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A banner is being constructed by attaching a triangle

that is 22 inches wide and 4 inches tall to a rectangle

that is 36 inches tall and 22 inches wide. What is the

area of the banner?

Module 10 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

A banner is being constructed by attaching a triangle

that is 22 inches wide and 4 inches tall to a rectangle

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

What is the shape of the cross section of a pentagonal prism

parallel to its base?

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

What is the shape of the cross section of a pentagonal prism

parallel to its base?

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

What is the shape of the cross section of a pentagonal prism

parallel to its base?

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

What is the shape of the cross section of a pentagonal prism

parallel to its base?

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

A rectangular prism has dimensions 5 in. by 4 in. by 12 in.

What is the surface area of the prism?

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

A rectangular prism has dimensions 5 in. by 4 in. by 12 in.

What is the surface area of the prism?

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

A rectangular prism has dimensions 5 in. by 4 in. by 12 in.

What is the surface area of the prism?

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

A rectangular prism has dimensions 3.2 m by 6 m by 1.5 m.

What is the volume of the prism?

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

A rectangular prism has dimensions 3.2 m by 6 m by 1.5 m.

What is the volume of the prism?

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

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What is the volume of the prism?

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

A rectangular prism has a square base with side length of

10 inches. The volume of the prism is 1,600 cubic inches.

Find the surface area of the prism.

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

A rectangular prism has a square base with side length of

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10 inches. The volume of the prism is 1,600 cubic inches.

Find the surface area of the prism.

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

Every fifth person entering a theater was surveyed about

their favorite things to eat at the theater. Identify the

population and sample. Is the sample random?

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

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

The quality control department of a furniture manufacturer

randomly selects every tenth piece of furniture from the

production line to examine for flaws. Out of 200 pieces of

furniture selected, only 2 have flaws.

Predict the total number of pieces of furniture with flaws, if the total furniture population consists of 5,000 pieces. Show

your work.

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

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

In a cafeteria, 70% of students prefer chicken tenders to

hamburgers. The cafeteria manager took a random sample

of 20 students and found that 12 students prefer chicken

tenders. Find the sample ratio. Then compare the sample

ratio to the population ratio.

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Jack compares his math exam scores from last year and this year.



Describe how his performance in math class this year

compares to last year.

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

How can you use box plots to compare the centers and spreads of data sets?

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

Two data samples each have a MAD close to 10.1. The

difference of means is close to 30. What is the ratio of the difference of the means to the MAD? Would you expect to

see a little, a lot, or no overlap when the data sets are

displayed in dot plots?

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

Describe the probabilities of a likely event and an event that

is as likely as not using a number or a number range.

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

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

Blake spun a spinner 80 times. The spinner is divided into 5

equal sections labeled A, B, C, D, and E. He landed on A 12

times, B 16 times, C 19 times, D 18 times, and E 15 times.

Find the experimental probability of each event.

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The table shows the number of yogurt requests by cafe

customers. Find the experimental probability that the next

yogurt order is a low-fat peach yogurt.



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Module 14 Lesson 4 Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

Mercedes notices that of the first 100 vehicles driving by

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

A bag contains 7 orange marbles, 4 yellow marbles, 6 blue

marbles, and 3 green marbles. What is the theoretical

probability of randomly selecting a blue marble from the

bag? Write the probability as a fraction in simplest form, a

decimal, and a percent.

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

Amir spins a spinner with 4 equal sections labeled 1–4 and

rolls a number cube labeled 1–6. Find the probability that

Amir gets a sum of 7.

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

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

Ivan is going to spin a spinner with 6 equal sections labeled

1–6 and flip a coin 2,400 times. Write and solve a proportion

to predict the number of times the spinner lands on 5 and

the coin lands on tails.

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A retailer mails postcards to its customers and 40% of the

postcards include a coupon. Explain how to simulate this

situation in order to find the experimental probability that

the third postcard mailed is the first to include a coupon

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