Name _____

TOPIC 11 Assessment

1. The nutrition label on a carton of soy milk says that one glass contains 7 grams of protein. How many milligrams of protein does one glass contain?

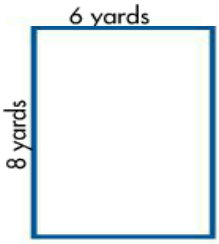
Ⓐ 7 milligrams

Ⓑ 70 milligrams

Ⓒ 700 milligrams

Ⓓ 7,000 milligrams

2. Justin's garden is shown below.



Part A

How can you convert the dimensions of Justin's garden from yards to inches?

Part B

What is the perimeter of Justin's garden in inches?

3. Which of the following expressions can be used to find how many kilograms of sweet potatoes are needed for the recipe?

DATA

Soup Recipe
1 onion
2,000 grams sweet potatoes
3 liters water
15 milliliters chicken stock

Ⓐ $1{,}000 \div 2{,}000$

Ⓑ $2{,}000 \div 1{,}000$

Ⓒ $2{,}000 \times 1{,}000$

Ⓓ $2{,}000 \times 100$

4. Ten bales of cotton weigh about 5,000 pounds. Which comparison is true?

Ⓐ 5,000 pounds $<$ 10,000 ounces

Ⓑ 5,000 pounds $=$ 3 tons

Ⓒ 5,000 pounds $<$ 3 tons

Ⓓ 5,000 pounds $>$ 3 tons

5. Tyrell bought 4 liters of fruit punch for a party. He will serve the punch in glasses that can hold 200 milliliters. How many full glasses of fruit punch can he serve?

6. For questions 6a–6d, choose Yes or No to tell if the number 10^3 will make each equation true.

6a.	☐ km = 1 mm	○ Yes	○ No
6b.	☐ mm = 1 m	○ Yes	○ No
6c.	☐ cm = 1 m	○ Yes	○ No
6d.	☐ m = 1 km	○ Yes	○ No

7. Draw lines to match each measurement on the left to its equivalent measurement on the right.

1 gallon	2 cups
1 cup	2 pints
1 quart	8 fl oz
1 pint	4 quarts

8. Choose all lengths that are equal to 6 feet 12 inches.

- ☐ 3 yd 1 ft
- ☐ 7 ft
- ☐ 7 ft 2 in.
- ☐ 2 yd 1 ft
- ☐ 1 yd 4 ft

9. Juanita has a pail with a capacity of 3.4 liters. How many milliliters will the pail hold?

10. Mason made 5 quarts of salsa. Which of the following can be used to find the number of cups of salsa Mason made?

Ⓐ $5 \times 2 \times 2$

Ⓑ $5 \times 4 \times 4$

Ⓒ $5 \div 2 \div 2$

Ⓓ $5 \times 4 \div 2$

11. Alicia bought 5 pounds of potting soil. She wants to put 10 ounces of soil in each flower pot.

Part A

How can she convert 5 pounds to ounces?

Part B

How many flower pots can she fill?

12. The tail of a Boeing 747 is $63\frac{2}{3}$ feet. How many inches tall is the tail?

13. A model ship is 0.38 meter long. How long is the ship in centimeters?

Name _____

TOPIC 11 Performance Assessment

Orange Juice

Heidi sells freshly-squeezed orange juice in **Heidi's Orange Juice** cups.

1. Use the **Information about Oranges**. Answer the questions below to find how many pounds of oranges Heidi needs for her orange juice.

Part A

How many oranges does Heidi need to make one large orange juice? Explain. Show your work.

Part B

How many pounds of oranges does Heidi need to make one large orange juice? Show your work.

Heidi's Orange Juice

Large = $2\frac{1}{4}$ cups

Information about Oranges

One medium orange has about 2 fl oz of juice and weighs about 5 ounces.

2. Answer the following to find the area of **Heidi's Display Shelf**.

Part A

What units can you use for the area? Explain.

Heidi's Display Shelf

Part B

What is the area of **Heidi's Display Shelf**? Show your work.

3. The **Orange Nutrition** table shows nutrients in one medium-sized orange that weighs 5 ounces or 140 grams. All the nutrients in the orange are also in Heidi's orange juice.

Orange Nutrition

Nutrient	Amount
Carbohydrates	16 g
Fiber	3.5 g
Potassium	250 mg

Part A

How many grams of potassium are in one large cup of Heidi's orange juice? Explain how you solved.

Part B

How many milligrams of fiber are in one large cup of Heidi's orange juice? Use an exponent when you explain the computation you used to solve.

4. Heidi also sells cartons of orange juice. Use the picture of **Heidi's Orange Juice Carton.** Find the volume of the carton in cubic centimeters. Explain.

Heidi's Orange Juice Carton