

# Unit: 4<sup>th</sup> – Measurement

## Measurement Conversion Warm-Up: Taco-Burger-Pizza-Drink

**Tip:** Scholars can use the STAAR measurements conversion chart to help with this game if they want

### Materials:

- Taco-Burger-Pizza-Drink Cards
- Taco-Burger-Pizza Drink Board(Pizza Box)
- 6-sided die
- Game pieces – one for each player

### To Play:

Separate the cards into 4 stacks according to the food on the back. Place the 4 stacks question-side down/Food-side up where everyone can reach them.

Players put their game pieces on the board. They can put their game piece anywhere as long as it is on a Taco, Burger, Pizza or Drink.

The object of the game is to get 2 of each kind of food. (For a longer game, you can play to 3.)

First player rolls the die. If you roll a 6 or a 1, you don't get to move – it's the next player's turn.

For every other number, move your game piece that number of spaces in any direction trying to land on the kind of food you want. Once you land on a food, you must answer a question from the stack of cards that matches that food. If you get it right – keep the card. If you don't get it right, you don't get to keep the card.

**To Win:** First player to collect two cards from each type of food wins.

**Print:** two-sided

# Unit: 4<sup>th</sup> – Measurement

## Measurement Conversion Warm-Ups: Taco-Burger-Pizza-Drink

Tip: Players are allowed to use the STAAR reference materials to answer these questions

Tip: To convert from Bigger Unit → smaller unit, multiply. To convert from Smaller Unit → Bigger Unit, divide.

<b>1</b>  <b>2 Yards &amp; 2 Feet</b>	<b>2</b>  <b>20 Feet</b>	<b>3</b>  <b>3 ft &amp; 11 in</b>	<b>4</b>  <b>68 in</b>	<b>5</b>  <b>6 km &amp; 97 m</b>	<b>6</b>  <b>3,053 m</b>
<b>7</b>  <b>2m &amp; 89cm</b>	<b>8</b>  <b>483cm</b>	<b>9</b>  <b>8cm &amp; 9mm</b>	<b>10</b>  <b>67mm</b>	<b>11</b>  <b>3 gal &amp; 3 qt</b>	<b>12</b>  <b>5 qt</b>
<b>13</b>  <b>16 qt &amp; 1 pt</b>	<b>14</b>  <b>13 pt</b>	<b>15</b>  <b>8 pt &amp; 1 c</b>	<b>16</b>  <b>74 c</b>	<b>17</b>  <b>9c &amp; 3 fl oz</b>	<b>18</b>  <b>53 fl oz</b>
<b>19</b>  <b>3 L &amp; 184 mL</b>	<b>20</b>  <b>7,084 mL</b>	<b>21</b>  <b>2 T &amp; 1,000 lb</b>	<b>22</b>  <b>8,798 lb</b>	<b>23</b>  <b>3 lb &amp; 9 oz</b>	<b>24</b>  <b>86 oz</b>
<b>25</b>  <b>7 kg &amp; 529 g</b>	<b>26</b>  <b>8,761 g</b>	<b>27</b>  <b>7 g &amp; 348 mg</b>	<b>28</b>  <b>10,197 mg</b>	<b>29</b>  <b>5 lb &amp; 1 oz</b>	<b>30</b>  <b>50 oz</b>

# STAAR GRADE 4 MATHEMATICS REFERENCE MATERIALS

## LENGTH

### Customary

1 mile (mi) = 1,760 yards (yd)

1 yard (yd) = 3 feet (ft)

1 foot (ft) = 12 inches (in.)

### Metric

1 kilometer (km) = 1,000 meters (m)

1 meter (m) = 100 centimeters (cm)

1 centimeter (cm) = 10 millimeters (mm)

## VOLUME AND CAPACITY

### Customary

1 gallon (gal) = 4 quarts (qt)

1 quart (qt) = 2 pints (pt)

1 pint (pt) = 2 cups (c)

1 cup (c) = 8 fluid ounces (fl oz)

### Metric

1 liter (L) = 1,000 milliliters (mL)

## WEIGHT AND MASS

### Customary

1 ton (T) = 2,000 pounds (lb)

1 pound (lb) = 16 ounces (oz)

### Metric

1 kilogram (kg) = 1,000 grams (g)

1 gram (g) = 1,000 milligrams (mg)

## TIME

1 year = 12 months

1 year = 52 weeks

1 week = 7 days

1 day = 24 hours

1 hour = 60 minutes

1 minute = 60 seconds



1

**Convert: 8 feet**

**To: yards & feet**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

2

**Convert: 6 yards & 2 feet**

**To: feet**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

3

**Convert: 47 inches**

**To: feet & inches**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

4

**Convert: 5 feet & 8 inches**

**To: inches**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

5

**Convert: 6,097 meters**

**To: kilometers & meters**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

6

**Convert: 3 kilometers & 53 meters**

**To: meters**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

**1**  
**Purple**



**2**  
**Red**



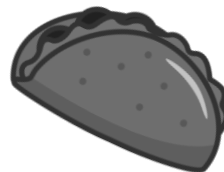
**3**  
**Yellow**



**4**  
**Blue**



**5**  
**Green**



**6**  
**PRYBG**



7

**Convert: 289 centimeters  
To: meters & centimeters**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

8

**Convert: 5 meters & 83 centimeters  
To: centimeters**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

9

**Convert: 89 millimeters  
To: centimeters & millimeters**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

10

**Convert: 4 centimeters & 27 millimeters  
To: Millimeters**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

11

**Convert: 15 quarts  
To: gallons & quarts**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

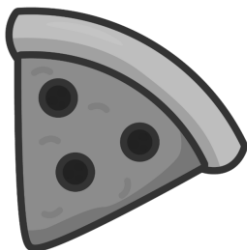
12

**Convert: 3 gallons and 1 quart  
To: quarts**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

**1**

**Purple**



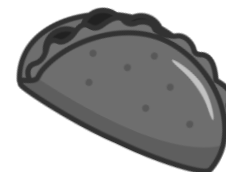
**2**

**Red**



**3**

**Yellow**



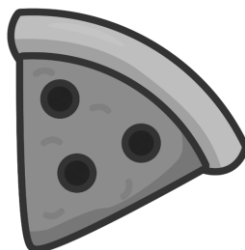
**4**

**Blue**



**5**

**Green**



**6**

**PRYBG**





13

**Convert: 33 pints**

**To: quarts & pints**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

14

**Convert: 6 quarts & 1 pint**

**To: pints**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

15

**Convert: 17 cups**

**To: pints & cups**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

16

**Convert: 37 pints**

**To: cups**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

17

**Convert: 75 fluid ounces**

**To: cups & ounces**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

18

**Convert: 6 cups & 5 fluid ounces**

**To: fluid ounces**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

**1**  
**Purple**



**2**  
**Red**



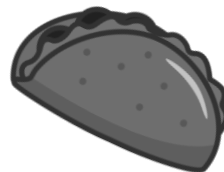
**3**  
**Yellow**



**4**  
**Blue**



**5**  
**Green**



**6**  
**PRYBG**



19

**Convert: 3,184 milliliters**

**To: liters & milliliters**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

20

**Convert: 7 liters & 84 milliliters**

**To: milliliters**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

21

**Convert: 5,000 pounds**

**To: tons & pounds**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

22

**Convert: 4 tons & 798 pounds**

**To: pounds**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

23

**Convert: 57 ounces**

**To: pounds & ounces**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

24

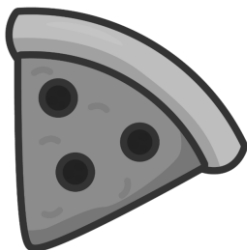
**Convert: 5 pounds & 6 ounces**

**To: ounces**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

**1**

**Purple**



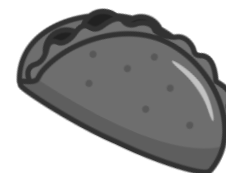
**2**

**Red**



**3**

**Yellow**



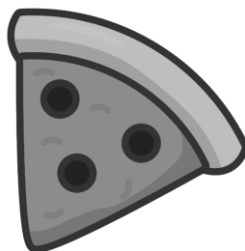
**4**

**Blue**



**5**

**Green**



**6**

**PRYBG**



25

**Convert: 7,529 grams**

**To: grams & kilograms**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

26

**Convert: 8 kilograms & 761 grams**

**To: grams**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

27

**Convert: 7,348 milligrams**

**To: grams & milligrams**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

28

**Convert: 10 grams & 197 milligrams**

**To: milligrams**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

29

**Convert: 81 ounces**

**To: pounds & ounces**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

30

**Convert: 3 pounds & 2 ounces**

**To: ounces**

4<sup>th</sup> – Meas. Conversion Warm-up - TBPD

**1**  
**Purple**



**2**  
**Red**



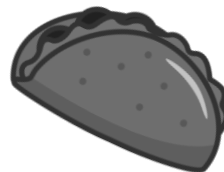
**3**  
**Yellow**



**4**  
**Blue**



**5**  
**Green**



**6**  
**PRYBG**

