7th Grade
Dec 2, 2020

Please get out your WS from yesterday to review.

Today we will:
- review WS
- work on problem-solving WS to practice converting units
- work on study guide or organizing binder if time

HOMEWORK:

Complete WS from class

Study guide due TOMORROW in binder

Test over lessons 1-4 and binder check TOMORROW

ALEKS due next Monday night 11:59 pm

Lesson 4 Skills Practice
Converting Rates

Complete each conversion. Round to the nearest hundredth.

1. 5 m ≈ ■ yd

    5.47 yd

2. 1500 mi ≈ ■ km

    $\dfrac{1500\ mi}{1} \times \dfrac{1\ km}{0.621\ mi}$ 24 **13**.5 km

    $1500\ mi \times \dfrac{1.609\ km}{1\ mi} =$

3. 20 L ≈ ■ gal

    $\dfrac{20\ L}{1} \times \dfrac{.264\ gal}{1\ L} = 5.28\ gal$

4. 70 kg ≈ ■ lb

    154.27 lb

5. 42 in. ≈ ■ cm

    10668 cm

6. 38 ft ≈ ■ m

    11.59 m

    $\dfrac{38\ ft}{1} \times \dfrac{1\ m}{3.279\ ft}$

7. 2000 g ≈ ■ oz

    70 oz.

    $\dfrac{2000\ g}{1} \times \dfrac{0.035\ oz.}{1\ g} =$

8. 55 fl. oz ≈ ■ mL

    1626.57 mL

9. 18 qt ≈ ■ L

    17.03 L

10. 1200 km ≈ ■ ft

    3,934,656 ft.

    $\dfrac{1200\ km}{1} \times \dfrac{1000\ m}{1\ km} = \dfrac{1200000}{m}\ m$

    $\dfrac{1200000\ m}{1} \times \dfrac{3.279\ ft}{1\ m} =$

    3,934,800 ft

Math Chapter 5

TITLE: Ratios and Proportions

Date	Lesson	Topic/Assignment
11-9	1&2	Ratios and Unit Rates Video Notes
11-10	1&2	Page 186 and 191 from Text
11-10	1&2	HW Practice WS
11-11	3	Intro to Complex Fractions Skills Practice WS
11-16	3	Complex Fractions Video Notes
11-16	3	Page 197 from Text
11-19	3	Color-by-number Thanksgiving WS
11-30	4	Unit Conversion Chart
11-30	4	Converting Units In-Class Notes
12-1	4	Skills Practice WS
12-2	4	Problem-Solving WS
12-2	ALL	Study Guide-Lessons 1 through 4

Name_____

Lesson 4 (Part 1) Problem-Solving Practice
Converting Units

1. Lisa is traveling to Europe. The information from the airlines said that she is only allowed to check 25 kilograms worth of baggage. To the nearest pound, how many **pounds** is this?

2. Every year, monarch butterflies migrate from the United States to Angangueo, Mexico. Scientists sometimes tag and track butterflies to see how far they travel and at what speed they travel. One butterfly was found to fly an average of 11.5 miles per hour. About how many days will it take the butterfly to make the trip, not counting time spent to rest?

3. Harold adopted a St. Bernard. He read that St. Bernards can weigh 90 kilograms. How many **pounds** is 90 kilograms?

4. A high-speed maglev train in Shanghai can travel at a top speed of 430 kilometers per hour. To the nearest mile, how many **miles** per hour is this?

5. In 2002, about 34 crushed beverage cans weighed one pound. Every minute of every day, an average of 113,204 beverage cans were recycled.

In 2002, about how many **pounds** of beverage cans were recycled per minute?

6. Refer to your answer for Exercise 5. About how many pounds of beverage cans were recycled in an average **day**?