

1. The first bus stop on a bus route is 4 miles from school. How many yards is the first bus stop from school?

_____ yards

2. John made 2 quarts of juice for a school party. He said that he made $\frac{2}{4}$ cup of juice. Explain John's mistake.

3. The debate team is showing a video of their recent debate. The first showing begins at 3:15 P.M. The second showing is scheduled at 4:50 P.M. with a $\frac{1}{2}$ -hour break between the showings.

Part A

How long is the video in hours and minutes?

_____ hour(s) and _____ minutes

Part B

Explain how you can use a number line to find the answer.

Part C

The second showing started 20 minutes late. Will the second showing be over by 6:30 P.M.? Explain why your answer is reasonable.

GO ON 

4. Ed bought 3 liters of water, 2,750 milliliters of sports drink, and 2.25 liters of juice. For numbers 4a–4e, select True or False for each statement.

4a. Ed bought 250 milliliters more water than sports drink. True False

4b. Ed bought 1.25 liters more water than juice. True False

4c. Ed bought 50 milliliters more sports drink than juice. True False

4d. Ed bought 0.5 liter more of sports drink than juice. True False

4e. Ed bought 75 milliliters more water than juice. True False

5. A female elephant can weigh up to 8,000 pounds. How many tons is 8,000 pounds?

_____ tons

6. Ushma and her friends went to a movie that started at 7:35 P.M. The movie ended at 9:20 P.M.

Part A

How long was the movie?

_____ hour(s) and _____ minutes

Part B

Ushma got home 50 minutes after the movie ended. What time did Ushma get home? Explain how you found your answer.

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7. Select the objects that hold the same amount of liquid as a 128-fluid-ounce jug. Mark all that apply.

- (A) two 1-quart bottles
- (B) four 1-quart bottles
- (C) two 8-ounce fluid glasses and two 1-quart bottles
- (D) one 1-quart bottle and twelve 8-ounce fluid glasses
- (E) two 1-quart bottles and four 1-pint bottles

8. Roland's suitcase has a mass of 2,500 dekagrams. What is the mass of Roland's suitcase in kilograms?

_____ kilograms

9. Monica walks every day for exercise at a rate of 1 kilometer every 20 minutes.

Part A

At this rate, how many meters can Monica walk in 1 hour?
Explain how you found your answer.

Part B

Suppose Monica walks 1 kilometer every 15 minutes. How many meters further can she walk in 1 hour at this new rate?
Explain how you found your answer.

GO ON

10. Mrs. Davis has 64 bottles of water. If each bottle holds 1 pint of water, how many gallons of water does Mrs. Davis have?

_____ gallons

11. The distance between second base and third base on a regulation baseball field is 30 yards. Choose the word and number to complete the sentence correctly.

To convert 30 yards to feet,

add	3
subtract	12
multiply	1,760
divide	5,280

30 by

12. Keiko bought 3 pounds of fruit salad. How many ounces of fruit salad did Keiko buy?

_____ ounces

13. Anoki bought 360 millimeters of fabric. How many centimeters of fabric does Anoki have? Use the numbers and symbols on the tiles to write an equation to show the conversion.

360	36.0	3.60	0.360
×	÷	=	
10	100	1,000	

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Anoki has centimeters of fabric.

14. Mickey needs to cut pieces of ribbon that are each 1-meter long to tie onto balloons. If he has 8 pieces of ribbon that are each 1 dekameter long, how many 1-meter pieces of ribbon can he cut?

_____ pieces

GO ON 

15. A fish tank holds 15 gallons of water. Jordan is using a 1-pint container to fill the fish tank. Complete the table to help you find the number of pints of water Jordan will need to fill the fish tank.

gallon	1	5	10	15
pint				

Jordan will need _____ pints to fill the fish tank.

16. Bradley bought 36 yards of fabric to make costumes for the school play. How many inches of fabric did Bradley buy?

_____ inches

17. Joann is having a party. She wants to make punch. The recipe for punch uses 4 pints of orange juice, 5 cups of apple juice, $\frac{1}{2}$ gallon of lemonade, and 2 quarts of pineapple juice.

Part A

Joann says her recipe will make 30 cups of punch. Is Joann correct? Explain your answer.

Part B

Joann decides to pour her punch into 1-quart containers to fit into her refrigerator until the party starts. She has eight 1-quart containers. Will all of her punch fit into the containers? Explain.

GO ON 

18. Keisha is walking around a track that is 400 yards long. She has walked around the track 5 times so far. How many more yards does she need to walk around the track to complete 2 miles?

_____ yards

19. Betsy spent 26 days traveling in Europe. How many hours did she spend traveling in Europe?

_____ hours

20. The average weight of a gray whale is 16 tons. About how many pounds does a gray whale weigh?

_____ pounds

21. An art teacher has a roll of mural paper that is 5 meters long. She needs to cut it into 1-decimeter long pieces for a collage project. How many 1-decimeter pieces can she cut from the roll of mural paper? Show your work. Explain how you found your answer.

22. For numbers 22a–22d, select True or False for each statement.

16a. $1,000 \text{ lb} > 1 \text{ T}$	<input type="radio"/> True	<input type="radio"/> False
16b. $40 \text{ oz} < 3 \text{ lb}$	<input type="radio"/> True	<input type="radio"/> False
16c. $36 \text{ oz} = 2 \text{ lb}$	<input type="radio"/> True	<input type="radio"/> False
16d. $68 \text{ oz} < 4 \text{ lb } 6 \text{ oz}$	<input type="radio"/> True	<input type="radio"/> False

