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Chapter 10 Â¢ â‚¬ "Lesson 1: Quote question and show Â¢ â‚¬ " Page no. 587 solved by troubleshooting Â¢ â‚¬ "Page No. 588 Chapter 10 Â¢ â‚¬ " Lesson 2: Habitual capacity of chapter 10 Â¢ â‚¬ "Lesson 3: Weight on your own Â¢ â‚¬ "Page No. 600 Solve problems Â¢ â‚¬ "Page No. 4160 Chapter 10 Â¢ â‚¬ "Lesson 4: Multistep Measurement Chapter 10 Â¢ â‚¬ "Lesson 5: metric measurements Chapter 10 Â¢ â‚¬ "Lesson 6: Problem Solving Â¢ â‚¬ "â Customized conversions and metrics Chapter 10 Â¢ Â A ¬ Lesson 7: Time spent Chapter 10 Â¢ Â A ¬ Review / Test Share and Entertainment Â¢ â‚¬ "Lesson 1: usual length Â¢ â‚¬ "Page No. 587 Convert. Question 1. 2 mi = _____ Answer: 3520 yards Explanation: I'm changing the smallest unit in the larger one. We know that, 1 mile = 1760 yards 2 miles = 2 Â £ - 1760 yards = 3520 yards then 2 miles = 3520 meters question 2. 6 yd = _____ ft Response: 18 feet Explanation: Changing the smallest unit in the unit more Large. We know, 1 yard = 3 feet 6 yards = 6 Â £ - 3 feet = 18 feet 6 yd = 18 feet question 3. 90 in. = _____ FT in. Answer: 7 feet 6 in editing the larger one in the smallest unit. Convert inches standing 1 feet = 12 inches 90 inches = 84 inches + 6 inches 84/12 = 7 feet then 90 in. = 7 ft 6 in. On your conversion. Question 4. 57 ft = _____ YD Answer: 19 Yard Explanation: Convert the smallest unit on the larger unit. We know that 1 yard = 3 feet 1 foot = 1/3 yard 57 Â £ - 1/3 = 19 so 57 feet = 19 yards 57 ft = 19 yd question 5. 13 ft = _____ in. Answer: 156 inch Explanation: 1 feet = 12 inches 13 feet = 13 Â£ - 12 inch = 156 inches 13 ft = 156 in. Question 6. 240 in. = _____ FT Answer: 20 feet Explanation: Convert the smallest unit into the larger unit. 1 feet = 12 inches 1 inch = 1/12 feet 240 inch = 240 1/12 feet = 20 feet 240 in. = 20 ft Question 7. 6 mi = _____ ft Answer: 31 680 feet Explanation: 1 mile = 5280 feet 6 miles = 6 Â£- 5280 feet = 31 680 feet 6 mi. = 31 680 ft. Question 8. 96 ft = _____ yd Answer: 32 yards Explanation: 1 yard = 3 feet 1 foot = 1/3 yard 96 feet = 96 Â- 1/3 yard = 32 yards 96 feet = 32 yards Question 9. 75. 75. = _____ ft in Response: 6 feet 3 inches Explanation: 1 feet = 12 inches 1 inch = 1/12 feet 75 inches = 75 Â 1/12 feet = 6 feet + 3 inches 75 inches. = 6 ft. 3 in. Practice: Copy and resolve Convert. Question 10. 60 in. = Â¢Â ft Â¢Â = _____ ft Answer: 5 feet Explanation: Convert inches into feet 1 feet = 12 inches Â¢Â be the unknown number. 60 in = Â¢Â ft 60 inches ÂÂ 1/12 = 5 feet 60 in = 5 feet Question 11. Â¢Â ft = 7 yd 1 ft Â¢Â = _____ ft Answer: 22 feet Explanation: Â¢Â ft = 7 yd 1 ft 1 yard = 3 feet 7 yard = 7 ÂÂ 3 feet = 21 feet 21 ft + 1 ft = 22ft Â¢Â = 22 feet Question 12. 4 mi = Â¢Â yd Â¢Â = _____ yd Answer: 7040 yard Explanation: We know that, 1 mile = 1760 yard 4 miles = 4 ÂÂ 1760 yard 4 mi. = 7040 yard Question 13. 125 in. = ÂÂ ft ÂÂ = _____ in. Answer: 10 ft 5 in. Explanation: Convert inches to feet. 12 inches = 1 feet 1 inch = 1/12 feet 120 ÂÂ 1/12 = 10 feet + 5 inches Thus, 125 in. = 10 ft 5 in. Question 14. 46 ft = Â¢Â yd Â¢Â ft 46 ft = _____ yd ÂÂ ft Answer: 15 yd 1 ft Explanation: We know that, Converting the Larger unit into the smaller units 1 yard = 3 feet 1 foot = 1/3 yard 46 feet = 1/3 Â¢Â 46 = Write or =. Question 16. 8 ft _____ 3 yd Answer: 8 ft < 3 yd Explanation: 1 yard = 3 feet 3 yards = 3 ÂÂ 3 feet = 9 feet 8 is less than 9 Therefore, 8 ft < 3 yd Question 17. 2 mi _____ 10,500 ft Answer: 2 mi > 10,500 ft Explanation: 1 mile = 5280 feet 2 miles = 2 ÂÂ 5280 = 10,560 feet 10,560 ft is greater than 10,500 feet Therefore, 2 mi > 10,500 ft Question 18. 108 in. _____ 166 in. Answer: 108 in. < 166 in Explanation: 108 is less than 166 So, 108 in. < 166 in. Problem Solving Â¢Â Lesson 1: Usual Length Â¢Â Page No. 588 Question 19. Javon is helping his father build a tree house. It's got a ten-foot piece of trim. How many pieces can Javon cut that are 1 yard long? How much of a metre will he have left? Write below: _____ Answer: 4 pieces, 4 yards 1 foot long Explanation: Javon is helping his father build a tree house. It's got a ten-foot piece of trim. Conversion from feet to yards We know that, 1 foot = 1/3 yard 13 feet = 12 feet + 1 foot 13 feet = 4 yard 1 foot Javon can cut into 4 pieces. Question 20. Test Prep KatyÂ¢Âs carriage is 120 feet long. How many yards along Katy's driveway? Options: a. 60 yards b. 40 yards c. 20 yards d. 10 yards Answer: 40 yards Explanation: Katy's driveway is 120 feet long. Conversion from feet to yards We know that, 1 foot = 1/3 yard 120 feet = 120 Â 1/3 yard = 40 yards So the correct answer is Option B. Comparison and Contrast When you compare and contrast, you say as or more things are similar and different. You can compare and compare the information in a table. Complete the table below. Use the table to answer questions. Question 21. How are the items in the table the same way? How are they different? Type below: Answer: The table is the conversion from yards to feet and inches. Question 22. What do you notice about the relationship between the number of larger units and the number of smaller units as the length increases? Type below: Answer: Convert the largest unit into the smallest unit. 1 meter = 3 feet 1 feet = 12 inches 3 feet = 12 ÂÂ 3 = 36 inches 1 meter = 36 inches The table above shows the conversion from yards to inches. Share and Show ÂÂ Lesson 2: Personalized capacity ÂÂ Page 593 Question 1. Use the image to complete declarations and convert 3 quarters to pints. a. 1 quart = _____ pints Answer: 2 pints Explanation: Convert the quarters of units into pints We know that, 1 quart = 2 pints Question 1. b. 1 quart is 1 pint _____. Answer: Greater Explanation: Convert the quarters to pints 1 quart = 2 pints The quart unit is greater than pints 1 quart is larger than 1 pint. Question 1. c. 3 qt _____ = _____ Answer: 6 pint Explanation: Convert the quarters to pints 1 quart = 2 pints 3 quarti = 3 ÂÂ 2 pints = 6 pints Question 2. 3 gal = _____ pt Answer: 24 pt Explanation: Convert gallons into ants We know that, 1 gallon = 8 pints 3 gallons = 3 ÂÂ 8 pints = 24 pt Question 3. 5 qt = _____ pt Answer: 10 pint Explanation: Convert the quarters to pints 1 quart = 2 pints 5 quarti = 5 ÂÂ 2 pints = 10 pints So, 5 qt = 10 pt Question 4. 6 qt = _____ c on your own ÂÂ Lesson 2: Custom Capacity ÂÂ Page Number 594 Converts. Question 5. 38 c = _____ pt Answer: 19 pt Explanation: Convert pints into cups 1 pint = 2 cups 1 cup = 1/2 pint 38 c = 1/2 ÂÂ 38 = 19 pints So, 38 c = 19 pints Question 6. 36 qt = _____ gal Answer: 9 gal Explanation: Convert Quarters in Gal 1 gal = 4 quarters 1 quart = 1/4 gallon 36 quart = 1/4 ÂÂ 36 = 9 gallons So, 36 qt = 9 gal Question 7. 104 oz = _____ c Explanation: Convert fluid ounces to cups 1 cup = 8 ounces fluid 1 ounces fluid = 1/8 cup 104 ounces fluid = 1/8 ÂÂ 104 = 13 cups 104 fl oz = 13 c Question 8. 16 c = _____ pt Answer: 5 feet Explanation: Convert quarters to cups 1 quart = 4 cups 4 quart = 4 ÂÂ 4 cups 4 quart = 16 cups 4 qt = 4 c 9 gal = _____ pt Answer: 56 pt Explanation: Convert fluid ounces to pints. 1 pint = 16 ounces fluid 1 = 56 cup Question 10. 96 fl oz = _____ ounces fluid/16 Pint 96 Fluid Ounces = 1/16 Â- 96 = 6 96 FL OZ = 6 PT Practice: Copy and resolve. Convert. Question 11. 200 c = _____ qt qt 50 QT Explanation: Convert cups to quarters 1 quart = 4 cups 1 cup = 1/4 quart 200 cups = 1/4 Â- 200 = 50 qt 200 c = 50 QT Question 12. 22 pt = _____ FL OZ Answer: 352 FL OZ Explanation: Convert fluid into fluid ounces 1 pint = 16 fluid 22 pints = 16 Â- 22 = 352 fluid ONCES SO, 22 pt = 352 fl fluid question 13. 8 gal = _____ QT Response: 32 Qt Explanation: Convert Galonian to Quarters. 1 gallon = 4 quarters 8 gallons = 8 4 quarters = 32 quarters 8 gal = 32 QT Question 14. 72 FL OZ = _____ C Response: 9 C Explanation: Convert fluid OUNCES into cups 1 Cup = 8 fluid ounce 1 Fluid ounce = 1/8 cup 72 fluid ounces = 1/8 ÂÂ 72 = 9 cups 72 fl oz = 9 c question 15. 2 gal = _____ pt Response: 16 pt Explanation: Convert Galon to Pints 1 Gal = 8 Pints 2 Gal = 2 Â- 8 Pints = 16 Pints 2 Gal = 16 pt Question 16. 48 pt = _____ Response: 6 LAG Explanation: Convert Pints to Galloni 1 Gal = 8 Pints 1 Pint = 1/8 Gal 48 Pinte = 1/8 Â- 48 Pint = 6 GAL 48 Pint = 6 Gal Question. 17. 28 C = _____ 14 pt Response: 28 c = 14 pt Explanation: Convert cups to a pint 1 Pint = 2 cups 14 Pinte = 14 Â- 2 Cups = 28 Cups 28 Cups = 14 Pints So, 28 c = 14 PT Question 18. 25 pt = _____ 13 QT Response: 25 pt 16 oz = 13 pt oz is less than 229 So, 130 oz > 8 lb Question 18. 34 lb = _____ 544 oz Answer: 34 lb = 544 oz Explanation: First converts lb to ounces 1 lb = 16 oz 34 lb = 34 < 16 oz = 544 oz So, 34 lb = 544 oz Question 19. 14 lb = _____ 229 oz Answer: 14 lb < 229 oz Explanation: First converts lb to ounces 1 lb = 16 oz 14 lb = 14 Â 16 oz = 224 oz 14 lb = 224 oz 224 oz is less than 229 So, 14 lb < 229 oz Question 20. 16 T = _____ 32,000 lb Answer: 16 T = 32,000 lb Explanation: Convert ton to pounds 1 Ton = 2,000 lb 16 T = 16 Â 2,000 lb = 32,000 lb 16 T = 32,000 lb Question 21. 5 lb _____ 79 oz Explanation: Convert lb to oz 1 lb = 16 oz 5 lb = 5 Â 16 oz = 80 oz 80 is greater than 76 Thus, 5 lb > 79 oz Question 22, 85,000 lb = _____ 40 T Answer: 85,000 lb > 40 T Explanation: Convert ton to pounds 1 Ton = 2,000 lb 40 T = 40 ÂÂ 2000 = 80,000 lb Explains how you can use mental math to compare 7 pounds with 120 ounces. 7 pounds = _____ 120 ounces. Answer: 7 lbs < 120 ounces. Explanation: Convert pounds to ounces 1 16 ounces 7 pounds = 7 Â 16 ounces = 112 ounces 112 ounces is less than 120 ounces 7 pounds < 120 ounces. Question 24. Test Prep Carlos used 30 grams of nuts in a recipe of muffins. How many pounds of nuts did Carlos use? Options: a. 8 lbs b. 4 lbs c. 2 lbs d. 1 lb Response: 2 pounds Explanation: Since Carlos used 32 ounces of nuts in a muffin recipe. 1 pound = 16 oz 2 pounds = 2 > 16 oz = 32 oz 32 oz = 2 lbs So the answer is the C. Solving option of problems ÂÂ ; Lesson 3: Weight ÂÂ Page No. 4160 Ask a question 25. Kia wants to eat 4 pounds of snacks for her party. He's got 30 grams of popcorn and he wants the rest to be pretzel sticks. How many ounces of pretzel sticks do you need to buy? 8 â £ 36 = So, Kia must buy _____ ounces of pretzel sticks. Write a new problem using different amounts of snacks. Some weights should be in pounds and others in ounces. Make sure the amount of snacks given is lower than the total amount of snacks needed. Pose a Problema Â Â Â Â Â Â Â Draw a bar model for your problem. Then solve. è Write an expression you can use to solve your problem. Explain how the expression represents the problem.below:Answer: Kia wants to eat 3 pounds of snacks for her party. He's got 20 ounces of popcorn and he wants the rest to be pretzel sticks. How many ounces of pretzel sticks do you need to buy? 48 oz × 20 oz = 28 oz Need to buy 28 oz of pretzel sticks. Share and Exhibition «Lection 4: Multistep measurement problems » Page No. 605 Solve. Question 1. After each football training, Scott runs 4 sprints of 20 yards each. If he keeps on with his routine, how many evidence will it take for Scott for flying for a total of 2 miles? Scott jogging for _____ yards in every workout. Since there are iarde within 2 miles, you will have to continue your exercise routine _____. Please write below: _____ Multiply 20 yards ¥ 4 = 80 yards Now convert from yards to miles 1 mile = 1760 yards x = 1760 ¥ 2 = 3520 yards p = 3520 yards/80 yards = 44 So he'll have to do 44 exercises. Question 2. A worker of a mill is loading bags of 5 kg of flour in boxes to be delivered to a local warehouse. Each box contains 12 flour bags. If the warehouse orders 3 Tons of flour, how many boxes do they need to escape the order? Answer: 100 bags Explanation: A worker of a mill is loading 5 kg flour bags in boxes to be delivered to a local warehouse. Flour books per box x = 12 ÂÂ 5 lb = 60 lb We have to multiply by the conversion rule 1 T = 2000 lb Find out how many pounds there are in 3 tons. Books of flour in the warehouse. y = 3 T ÂÂ 2000 lb = 6.000 lb Divide by the number of pounds per box. 100 boxes are needed. b = 6000/60 = 100 boxes. Question 3. Cory brings five jugs from a gallon of juice to serve during the evening parents at school. If the paper glasses you use for drinks can contain 8 ounces of liquid, how many drinks can Cory serve for parents' evening? Answer: 80 beverages Explanation: First, convert from gallons to quarters We are converting a larger unit into a smaller unit. 1 gal = 4 qt We must multiply by the conversion rule. x = 5 gal > 4 qt x = 20 qt We must multiply by the rule of conversion. y = 20 qt ÂÂ 2 pt = 40 pt So, convert from fluid ounces to cups. We are converting from a larger unit to a smaller one. 1 pt = 2 cups y = 40 pt ÂÂ 2 c = 80 c Now converting from ounces to pounds we are converting 18. 25 m. y = 80 c ÂÂ 8 oz = 640 oz d = 640 oz / 8 oz = 80 drinks Cory can serve 80 drinks for parents' evening. On your own «Lection 4: Multistep Measurement Problems» Page No. 606 Solve. Question 4. A science teacher must collect the water of the lake for a laboratory he is teaching. The laboratory requires that each student uses 4 ounces of lake water. If 68 students participate, how many pines of lake water will have tothe teacher? _____ pinte Answer: 1 pint Explanation: Find the total number of ounces that students use. x = 68 Â£ 4 oz = 272 oz First, convert from ounces to cups. 1 c = 8 oz Find how many cups there are in 272 oz y = 272 oz 8 oz = 34 c Now from mugs to pints 1 pt = 2 c Find out how mant pints pintsIn 34 cups x = 34 c Â- 2 c = 17 pt 18 pt â £ *17 pt = 1 pt so 1 pinta is leftover. Question 5. A series of decorative lights is 28 feet long. The first light on the string is 16 inches from the plug. If the lights on the string are spaced 4 inches, how many lights are there on the string? Answer: 81 Lights Explanation: There are no lights for the first 12 inches after which, each of the remaining 27 feet is composed of 3 sets of: 4 inches without light 27 feet Â- 3 = 81 lights 6. When the car Jamie moves forward so that each tire makes a complete rotation, the car traveled 72 inches. How many complete rotations will the tires have to do for Jamie's car to travel 10 meters? _____ Rotation Answer: 5 Rotations Explanation: When Jamie's car moves forward so that each tire makes a complete rotation, the car has traveled 72 inches. Convert from a smaller one to the biggest unit. Convert from inches to meters. 36 In = 1 meter x = 72 / 36 in = 2 yards Discover how many rotations are required. Y = 10 yard / 2 yard = 5 yard fatigue needs to make 5 rotations for the JAME machine to travel 10 meters. Question 7. A male African elephant weighs 7 tons. If a male African lion at the local zoo weighs the weight of the male African elephant, how many pounds weighs the lion? _____ LB Answer: 350 LB Explanation: Convert from tons to pounds 1 t = 2,000 lb Find out how many pounds are in 7 tons. y = 7 t ÂÂ 2000 lb = 14,000 lb The weight of the elephant is 14,000 lb finds the weight of the lion l = 14,000 Â- 1/40 = 350 lb so the weight of the lion is of 350 pounds. Question 8. An office supply company is send a wooden pencil case at a store. There are 64 boxes of pencils in the case. If each box of pencils weighs 2.5 ounces, what is the weight, in pounds, of the case of wooden pencils? Answer: 10 pounds Explanation: First, we need to find the total weight of the case of pencils w = 64 boxes Â- 2.5 oz = 160 oz now converting from ounces to pounds we are converting from a smaller unit to one unit Greatest. 1 lb = 16 oz y = 160 oz / 16 oz = 10 lb so total is £ 10. Question 9. A lead-free petrol gallon weighs about 6 pounds. How many ounces weighs 1 petrol quartet without lead? Number: 1 Quart = (Frac {1} {4}) of a gallon _____ Ounces Answer: 24 ounces Explanation: A lead-free petrol gallon weighs about 6 pounds. Convert from pounds to ounce. 1 lb = 16 ounces y = 6 Â- 16 ounces = 96 ounces the weight of a non-lead petrol quartet qw = 96 Â- 1/4 = 24 oz unlock water will have tothe teacher? _____ pinte 17 pt 18 pt â £ *17 pt = 1 pt so 1 pinta is leftover. On your own «Lection 4: multistep measurement problems â £ "Page n. 4200 Question 10. In a local animal retreat there are 12 small dogs and 5 medium-sized dogs. Every day, small dogs are each given 12.5 ounces of dry food and medium-sized dogs are each given 18 ounces of the same dry food. How many pounds of dry food The refuge in a day? to. What is you asked to find? Type below: _____ I will use information about dry food Convert from pounds to ounce. 10. What conversion will you have to do to solve the problem? Type: _____ # # We are asked to find how many pounds of dry food the shelter serves in a question of a day 10. b. What information will you use? Type: _____ I will use information about dry food Convert from pounds to ounce.

first, convert from ounces to pounds. The total amount of food allocated to the small size and to medium sized dogs = 12.5 ounces + 18 ounces = 30,5 ounces 1 ounce = 0,625 pounds 32.5 ounces = 30,5 Â- 0,625 = 1,906 pounds Question 10. e. Complete the sentences. Small dogs eat a total of _____ ounces of dry food every day. The refuge serves _____ ounces or _____ pounds, of dry food every day. Type: Answer: Small dogs eat a total of 12.5 ounces of dry food every day. Medium-sized dogs eat a total of _____ ounces of dry food every day. The refuge serves _____ ounces or _____ pounds of dry food every day. The refuge serves £30.5 ounces or £9,06 of dry food every day. Question 11. Prep Test For a class assignment, students are asked to record the total amount of water they drink in a day. Melinda records that he drank four glasses of water 8-fluids ounce of water and two bottles of 1 pint. How many litres of water did they drink during the day? Options: a. 2 quarters b. 4 quarters c. 6 quarters d. 8 Quarts Answer: 2 Quarts Since, Melinda records that he drank four glasses of water 8-fluid ounce of water and two bottles of 1 pint convert from fluid ounces to liters. 1 Quart = 32 ounces fluid 2 bottles of 1 pint = 2 pints 1 pint = 16 fluid ounces 2 pints = 32 ounces fluid We know that, 32 ounces fluid = 1 quarter 1 quarter + 1 quarter = 2 liters. Therefore the correct answer is the A. Checkpoint option in half chapter â £ "Vocabolario â £" page No. 609 Choose the best term from the box. Question 1. The _____ of an object is how heavy the object is. Answer: Weight question 2. The _____ of a container is the quantity that the container can contain. Answer: Concepts of capacity and converted. Question 3. 5 MI = _____ mi = 8800 Km Question 4. 48 qt = _____ gal Answer: 12 gallons Explanation: Convert from Quart to gal 1 gal = 4 Quart 1 litre = 1 / 4 48 qt = 48 Â- 1/4 = 12 Gal 48 qt = 12 GAL Question 5. 9 T = _____ 8800 m Sproning: Convert miles to Yards. 1 mile = 1.760 yards 5 miles = 5 to 1760 yards = 8800 yards 5 lb Question 6. 336 oz = _____ 18,000. lb Question 6. 336 oz = _____ Convertounces per pound 1 16 ounces 1 oz = 1/16 lb 336 oz = 236 Â- 1/16 lb = 21 lb 336 oz = 21 lb question 7. 4 yds 2 ft = _____ ft = 4 yards 14 ft = 4 yards 2 ft Compare. Question 9. 96 fl oz _____ 13 c Answer: 96 fl oz < 13 c Explanation: Convert from cups to fluid ounces 1 cup = 8 oz 13 c = 13 × 8 oz = 104 oz 96 oz is less than 104 oz So, 96 fl oz < 13 c Question 10. 25 lb _____ 384 oz Response: 25 lb > 384 oz Explanation: Convert from lb to ounces 1 lb = 16 oz 25 lb = 25 × 16 oz = 400 oz 400 oz is greater than 384 oz So, 25 lb > 384 oz Question 11. 8 yd _____ 288 in reply: 8 yd = 288 in. Explanation: Convert from yards to inches 1 yard = 36 inches 8 yards = 8 × 36 inches = 288 inches 8 yards = 288 inches Question 12. A standard cup of coffee has a capacity of 16 ounces fluid. If Annie needs to fill 26 cups of coffee, how many total quarters of coffee does she need? Answer: 13 qt Explanation: Find the number of ounces. s = 16 oz × 26 = 416 oz Next, convert from ounces to cups. 1 c = 8 oz Find how many cups are in 104 ounces. y = 416 oz ÷ 8 oz = 52 c Next, convert from cups to pints. 1 pt = 2 c y = 52 c ÷ 2 c = 26 pt Convert from pints to quarti 1 qt = 2 pints y = 26 pint ÷ 2 pint = 13 qt y = 13 qt So it needs 13 quarti of coffee. Point of control of the media-chapter - Vocabulary - Page n. 610 Question 13. The length of a class is 34 feet. What is this measure in meters and feet? Answer: 11 yards 1 foot Explanation: Since _, The length of a class is 34 feet. Convert from foot from the courtyard 1 meter = 3 feet 34 feet = 33 feet + 1 foot 1 foot = 1/3 meters 33 feet = 33 × 1/3 = 11 meters 34 feet = 11 meters 1 foot Question 14. Charlie's puppy, Max, weighs £8. How many ounces does Max weigh? _____ Response: 128 ounces Explanation: Convert from 1 pound ounces = 16 ounces 8 pounds = 8 × 16 oz = 128 ounces 8 pounds = 128 oz Question 15. Milton buys a 5-gallon aquarium for his bedroom. To fill the aquarium, use a container with a capacity of 1 quartet. How many times will Milton fill and empty the container before the aquarium is full? Answer: 20 times Explanation: Convert from gallon to quart 1 gallon = 4 quart 5 gallon = 5 × 4 quart = 20 quart 5 gallon = 20 quart 16. Sarah uses a recipe to make 2 gallons of her favorite mixed berry juice. Two of the containers you want to use to store the juice have a capacity of 1 quart. The rest of the containers has a capacity of 1 pint. How many pint containers will Sarah need? _____ container size pint Answer: 12 container size pint Explanation: Sarah uses a recipe to make 2 gallons of her favorite mixed berry juice. Two of the containers you want to use to store the juice have a capacity of 1 quartet. 1 gallon = 4 quarters Find how many quarters are in 2 gal. y = 8 qt - 2 qt = 6 qt Next, convert from quarters to pint. 2 pt = 1 qt y = 6 qt × 2 pt y = 12pint It will need 12 pint containerQuestion 17. The average length of a female white beak dolphin is about 111 inches. What is this length standing and è _____. in. Answer: 9 ft 3 in. Explanation: The average length of a dolphin female from the white beak is about 111 inches. Convert inches to walk. 1 foot = 12 inches 111 inches = 108 inches + 3 inches 1 foot = 9 feet 3 inches Share and Show «Lection 5: Metric Measures « Page No. 613 Completes the equation to show conversion. Question 1. 8.47 L _____ Explanation: Find relations between units. Determine the operation to use. Now convert from liter to deciliter. Question 1. 8.47 L _____ 8.47 L Ã- 100 = 847 cL Explanation: Find relations between units. Determine the operation to use. Convert from liter to centiliter. 8.47 L < 100 = 847 centimeter Question 1. 8.47 L _____ 1,000 = _____ between units. Determine the operation to use. Convert the liter to a milliliter. Question 2,824 dg _____ 10 = _____ g Response 9,824 dg 10 = 982,4 g Find relations between units. Determine the operation to use. Now convert from decigram to gram 1 gram = 10 decigram 1 decigram = 1/10 gram To convert 9824 dg to g we must divide by 10. 9,824 dg Â- 10 = 9824 > 1/10 = 982,4 grams So, 9,824 dg Â- 10 = 982,4 g Question 2. 9,824 dg _____ 100 = _____ dag 9,824 dg 100 = 98.24 dag Explanation: Find relations between units. Determine the operation to use. Now it converts from decigrams to dekagrams. We know that, 1 dg = 1/10 dag 9824 Â- 100 = 98,24 Ã- 1/00 = 98,24 dag So, 9,824 dg Â- 100 = 98,24 dag Question 2. 9,824 dg _____ 1,000 = _____ Determine the operation to use. Now convert from decigram to decigram. 1 dg = 0.001 hg 1 dg = 1/000 hg 9,824 dg = 9824 > 1/1000 = 9824 Â 1000 = 9.824 hg So, 9.824 dg Â- 1.000 = 9.824 hg Converting. Question 3. 4,250 cm = _____ m Answer: 42.50 m Explanation: Find relations between units. Conversion from centimeters to meters. 1 cm = 0.01 m 1 cm = 1/100 m 4250 cm = 4250/100 = 4250/100 = 42.50 meters So, 4,250 cm = 42,50 m Question 4. 6,000 mL = _____ Answer: 6 L Explanation: Finding relationships between units. Milliliters to Liters conversion. 1 meter = 1000 ml 1 ml = 1/1000 L 6000 mL = 6000 Â 1/1000 L = 6 L 6.000 mL = 6 L Question 5. 4 dg = _____ 40 cg Explanation: Find relations between units. Conversion from decigram to centigram We know that, 1 dg = 10 cg 4 dg = 4 Â 10 cg 4 dg = 40 cg On your Converted. Question 6. 8 kg = _____ g Response: 8000 g Explanation: Find relations between units. Kilogram to gram conversion. 1 kg = 1000 grams 8 kg = 8 Â 1000 grams = 8000 grams 8 kg = 8000 g Question 7. 5 km = _____ 5000 m Explanation: Find the relationships between the units. Convert from kilometers to meters 1 km = 1000 meters 5 km = 5 Â- 1000 meters = 5000 meters 5 km = 5000 m Question 8. 40 mm = _____ cm Response: 4 cm Explanation: Convert from millimeters to centimeters 1 cm = 10 mm 1 mm = 1/10 cm 40 mm = 40 Â 1/10 cm = 4 cm 40 mm = 4 cm 40 mm 9. 7 g = _____ mg Answer: 7000 mg Explanation: Convert from grams to milligrams 1 gram = 1000 mg 7 g = 7000 mg 7 mg = 7000 mg Question 10. 6,000 g = _____ kg Answer: 6 kg Explanation: Convert from grams to kilograms. 1 kg = 1000 grams 1 gram = 1/1000 kg 6000 grams = 6000 Â- 1/1000 = 6 kg 6000 grams = 6 kg question 11. 1,521 ml = _____ l response: 1.521 l explanation: convert from liter to mli. 1 liter = 1000 ml 1 ml = 1/1000 liter 1521 = 1521 Â- 1/1000 = 1.521 l 1521 ml = 1.521 compare. Write , or =. Question 12. 32 Hg _____ 3.2 kg Answer: 32 Hg = 3.2 kg Explanation: Convert from Ettogram to kilogram 1 Hg = 0.1 kg 32 Hg = 32 Â- 0.1 kg = 3.2 Kg 32 Hg = 3.2 kg Question 13. 6 km _____ 660 m Response 6 km> 660 m Explanation: 1 kilometer = 1000 meters 6 km = 6 km Â- 1000 meters = 6000 meters = 600 m 6 km> 600 m Explanation: Convert from milliliters to centiliters. 1 ml = 0.1 cl 525 ml = 525 Â- 0.1 = 52.5 ml 525 ml 525 ml is less than 52.5 ml so, 525 ml