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Go math grade 6 answers chapter 2

2-5help_a_.pdf File size: 163 kbFile type: pdfDownload File 2-5help_b_.pdf File size: 180 kbFile type: pdfDownload File response: \(\frac{1}{2}\) Explanation: 95.5 95.5 is 95 and 5 decimalths. 5 decimalth = \(\frac{5}{10}\) Simplify using GCF. 5 and 10 GCF are 10. Divide the counter and denominator by 10 \(\frac{5 ÷ 10}{10 ÷ 10}\) = \(\frac{1}{2}\) question 2. 0.6 \(\frac{□}{□}\) Answer: \(\frac{3}{5}\) Explanation: 0.6 6 decimal = \(\frac{6}{10}\) Simplify GCF usage. GCF 6 and 10 are 2. Divide the counter and denominator by 10 \(\frac{6 ÷ 2}{10 ÷ 2}\) = \(\frac{3}{5}\) question 3. 5.75 _____ \(\frac{□}{□}\) Answer: 5\(\frac{3}{4}\) Explanation: 5.75 is 5 and 75 hundred. 75 hundredthths = \(\frac{75}{100}\) Simplify using GCF. 75 and 100 GCF are 25. Split the counter and denominator by 25 5\(\frac{75 ÷ 25}{100 ÷ 25}\) = 5\(\frac{3}{4}\) Write as a decimal number. On the fourth question. \(\frac{7}{8}\) _____ Answer: 0.875 Callout: Use the division to rename the fraction as decimal. 7/8 = 0.875 Dalmen has 3 decimal points. Add the full number to the decimal number. 0 + 0,875 = 0,875. So 1 \(\frac{7}{8}\) = 0.875 Question 5. \(\frac{13}{20}\) _____ Answer: 0.65 Callout: Use the division to rename the fraction as a decimal. \(\frac{13}{20}\) = 0.65 Dalse contains 2 decimal places. Add the full number to the decimal number. 0 + 0,65 = 0,65. So \\ \(\frac{13}{20}\) = 0.65 Question 6. \(\frac{3}{25}\) _____ Answer: 0.12 Callout: Use the division to rename the fraction as a decimal distance. \(\frac{3}{25}\) = 0.12 Dalmens has 2 decimal places. Add the full number to the decimal number. 0 + 0,12 = 0,12. So, \(\frac{3}{25}\)= 0.12 write your own as a fraction or as a mixed number in the simplest form. On question seven. 0.27 \(\frac{□}{□}\) Answer: \(\frac{27}{100}\) Explanation: 0.27 is 0 and 27 hundred. 27 hundredthths = \(\frac{27}{100}\) Simplify using GCF. 27 and 100 GCF are 1. Divide the counter and denominator by 1 \(\frac{27 ÷ 1}{100 ÷ 1}\) = \(\frac{27}{100}\) question 8. 0.055 \(\frac{□}{□}\) Answer: \(\frac{11}{200}\) Explanation: 0.055 is 0 and 55 decimal. 55-thousandth = \(\frac{55}{1000}\) Simplify using GCF. 55 and 1000 GCF are 5. Split the counter and denominator from question 5 \(\frac{55 ÷ 5}{1000 ÷ 5}\) = \(\frac{11}{200}\) 9. 2.45 _____ \(\frac{□}{□}\) Answer: \(\frac{9}{20}\) Explanation: 2.45 is 2 and 45 hundred. 45 hundred = \(\frac{45}{100}\) Simplify using GCF. 45 and 100 GCF are 5. Divide the counter and denominator by 1 \(\frac{45 ÷ 5}{100 ÷ 5}\) = \(\frac{9}{20}\) Write as decimal. Question 10: \(\frac{3}{8}\) _____ Answer: 0.375 Callout: Use the division to rename the fraction as a decimal. = 0.375 Dalse contains 3 decimal places. Add the full number to the decimal number. 0 + 0,375 0,375 0.375. Thus, \(\frac{3}{8}\) = 0.375 Question 11. 3 \(\frac{1}{5}\) _____ Answer: 3.2 Callout: Use the division to rename the fraction as a decimal. \(\frac{1}{5}\) = 0.2 Dalse is a decimal number. Add the full number to the decimal number: 3 + 0,2 = 3,2. Thus, 3 \(\frac{1}{5}\) = 3.2 Question 12. 2 \(\frac{11}{20}\) _____ Answer: 2.55 Callout: Use the division to rename fractional as a decimal number. \(\frac{11}{20}\) = 0.55 Dalmens has 2 decimal places. Add the full number to the decimal number. 2 + 0,55 = 2.55. So, 2 \(\frac{11}{20}\) = 2.55 Set decimal and fraction of the simplest form point. Question 13: A point Type below: _____ Answer: 0.2 Question 14. Point B Type below: _____ Answer: 0.9 Explanation: Point B is between 0.8 and 1.0. Each point is separated by 1. Thus, point B is question 0.9. Point C Type below: _____ Answer: 0.5 Explanation: Point C is between 0.4 and 0.6. Each point is separated by 0.1. Thus, point C is question 0.516. Point D Type below: _____ Answer: 0.1 Explanation: Point D is 0 to 0.2. Each point is separated by 0.1. Thus, Point D is 0.1 Problem Solving + Applications - Page 72 Use table 17 and 18. Question 17: Members of the Ozark Trail Hiking Club grew up in a steep section of the trail in June and July. The table shows how the club members distanced themselves by miles. Write Mary's July distance as a decimal distance. _____ miles Answer: 2,625 miles Explanation: Maria July distance = 2 \(\frac{5}{8}\) Use sharing to rename fractional as decimal. \(\frac{5}{8}\) = 0.625 Dalmens has 3 decimal places. Add the full number to the decimal number. 2 + 0,625 = 2,625. 2 \(\frac{5}{8}\) = question 2.625 18. How much further did Zoey hike in June and July than Mary's hike in June and July? Explain how you found the answer. _____ miles Answer: 1.2 miles Explanation: Mary: June = 2.95, July = 2 \(\frac{5}{8}\) = 2.58 Zoey: June = 2.85, July = 3 \(\frac{3}{8}\) = 3.38 [2.85 + 3.38] − [2,95 + 2.58] = 0.7 mile Question 19. What is an error? Tabitha's pedestrian distance in July was 2\(\frac{1}{5}\) miles. She wrote a distance of 2.02 miles. What mistake did she make? Type below: _____ Answer: Tabitha's pedestrian distance in July was 2\(\frac{1}{5}\) miles. 2 \(\frac{1}{5}\) Use sharing to rename a fraction as decimal. \(\frac{1}{5}\) = 0.2 Dalse is a decimal number. Add the full number to the decimal number. 2 + 0,2 = 2.2 2 \(\frac{1}{5}\) = 2.2 It wrote a distance of 2.02 instead of 2.2. Question 20: Use the Writing \(\frac{3}{8}\), \frac{4}{8}, \text { and } \frac{5}{8}\) patterns as decimals. What model do you see? Use a template predict decimal \(\frac{6}{8}\) and \(\frac{7}{8}\). Type below: _____ Answer: \(\frac{3}{8}, \frac{4}{8}, \text { and } \frac{5}{8}\) as decimal numbers. 0.375, 0.5, 0.625 Each decimal is separated 0.125. Thus, 6/8 = 0.625 + 0.125 = 0.75 7/8 = 0.75 + 0.125 = 0,875 21. Set the decimal number and fraction to the simplest comma shape. Type below: _____ Answer: Point A: 0.5 Point B: 0,7 Point C: 0,3 Point D: 0,8 Explanation: Each point is differentiated by a distance of 0,1. A is between 0.4 and 0.6, which is 0.5 B is between 0.6 and 0.8, which is 0.7 C is between 0.1 and 0.6, which is 0.53 fractions and decimals - Page No. 73 Write as a fraction or as arussian number in simple form. On the first question. 0.52 \(\frac{□}{□}\) Answer: \(\frac{13}{25}\) Explanation: 0.52 0.52 is 52 hundred. 52 hundred = \(\frac{52}{100}\) Simplify using GCF. 52 and 100 GCF are 4. Divide the counter and denominator by 4 \(\frac{52 ÷ 4}{100 ÷ 4}\) = \(\frac{13}{25}\) question 2. 0.02 \(\frac{□}{□}\) Answer: \(\frac{1}{50}\) Explanation: 0.02 0.02 is 2 hundred. 2 hundredthths = \(\frac{2}{100}\) Simplify using GCF. 2 and 100 GCF are 2. Split the counter and denominator from question 2 \(\frac{2 ÷ 2}{100 ÷ 2}\) = \(\frac{1}{50}\) 3. 4.8 _____ \(\frac{□}{□}\) Answer: \(\frac{4}{5}\) Explanation: 4.8 4.8 is 4 and 8th decimal. 8 decimalth = \(\frac{8}{10}\) Simplify using GCF. GCF 8 and 10 are 2. Split the counter and denominator from question 2 \(\frac{8 ÷ 2}{10 ÷ 2}\) = \(\frac{4}{5}\) 4. 6.025 _____ \(\frac{□}{□}\) Answer: \(\frac{1}{40}\) Explanation: 6025 is 6 and 25 thousandths. 25-thousandth = \(\frac{25}{1000}\) Simplify using GCF. 25 and 1000 GCF are 25. Split the counter and denominator by 25 \(\frac{25 ÷ 25}{1000 ÷ 25}\) = \(\frac{1}{40}\) Write as decimal. On the fifth question. \(\frac{17}{25}\) _____ Answer: 0.68 Callout: Use the division to rename the fraction as a decimal number. 17/25 = 0.68 Dalmens has 2 decimal points. Add the full number to the decimal number. 0 + 0,68 = 0,68. So \(\frac{17}{25}\) = 0.68 Question 6. \(\frac{11}{20}\) _____ Answer: 0.55 Callout: Use the division to rename the fraction as a decimal number. 11/20 = 0,55 Dalmens has 2 decimal degrees. Add the full number to the decimal number. 0 + 0,55 = 0,55. So \\ \(\frac{11}{20}\) = 0.55 Question 7. 4 \(\frac{13}{20}\) = question 4.65 8. 7 \(\frac{3}{8}\) _____ Answer: 7.375 Callout: Use the division to rename fractional as a decimal number. \(\frac{3}{8}\) = 0.375 Dalse contains 3 decimal places. Add the full number to the decimal number. 7 + 0,375 = 7,375. So 7 \(\frac{3}{8}\) = 7.375 Set Decimal and fraction or mixed numbers in the simplest form for each point. On the fourth question. A point Type below: _____ Answer: 1.9 Explanation: Point A is between 0 and 0.5. Each of the separated by 0,1. Thus, point A is question 0.4 10. Point D Type below: _____ Answer: 4.65 Callout: Use the division to rename the fraction as a decimal number. \(\frac{13}{20}\) = 0.65 Dalse contains 2 decimal places. Add the full number to the decimal number. 4 + 0,65 = 4,65. So 4 \(\frac{13}{20}\) = question 4.65 8. 7 \(\frac{3}{8}\) _____ Answer: 1.9 Explanation: Point D is between 1.5 and 2. Each point is separated by 0.1. Thus, point D is question 1.9 11. Point C Type below: _____ Answer: Explanation: Point C is 1 to 1.5. Each point is separated by 0.1. Thus, point C is question 1.2 12. Point B Type below: _____ Answer: 0.6 Explanation: Point C is between 0.5 and 1. Each point is separated by 0.1. Thus, point C is question 1.2 11. Point A is question 0.4 10. Point D Type below: _____ Answer: Explanation: Grace sold \(\frac{5}{8}\) her stamp collection. Use the division to rename the fraction as decimal. \(\frac{5}{8}\) = 0.625 Dalmens has 3 decimal places. Add the full number to the decimal number. 0 + 0,625 = 0,625. So \\ \(\frac{5}{8}\) = 0.625 Problem Solving issue 13. Grace sold his stamp collection \(\frac{5}{8}\). What is this amount as decimal? _____ Answer: 0625 Explanation: Grace sold \(\frac{5}{8}\) her stamp collection. Use the division to rename the fraction as decimal. \(\frac{5}{8}\) = 0.625 Dalmens has 3 decimal places. Add the full number to the decimal number. 0 + 0,625 = 0,625. So \\ \(\frac{5}{8}\) = 0.625 Question 14. What if you scored 0.80 on the test? What part of the test did you answer correctly in the simplest form? \(\frac{□}{□}\) Answer: \(\frac{4}{5}\) Callout: 0.80 is 0 and 8th. 8 decimalth = \(\frac{8}{10}\) Simplify using GCF. GCF 8 and 10 are 2. Split the counter and denominator from question 2 \(\frac{8 ÷ 2}{10 ÷ 2}\) = \(\frac{4}{5}\) question 15. What is the simplest fraction equivalent to 0.45? What decimal is \(\frac{17}{20}\)? Explain how you found the answers. Enter below: _____ Answer: 0.45 is 0 and 45 hundredths. 45 hundred = \(\frac{45}{100}\) Simplify using GCF. 45 and 100 GCF are 5. Split the counter and denominator from 5 \(\frac{45 ÷ 5}{100 ÷ 5}\) = \(\frac{9}{20}\) \(\frac{17}{20}\) Use the division to rename as a decimal number. \(\frac{17}{20}\) = 0.85 Dalmens has 2 decimal places. Add the full number to the decimal number. 0 + 0,85 = 0,85. So \\ \(\frac{17}{20}\) = 0.85 Lesson Check – Page No 74 Question 1. After the storm, Michael measured 6 \(\frac{7}{8}\) inches of snow. What is this amount as decimal? _____ inch Answer: 6,875 inch Explanation: Michael measured 6\(\frac{7}{8}\) inches of snow. Use the division to rename the fraction as decimal. \(\frac{7}{8}\) = 0.875 Dalse contains 3 decimal places. Add the full number to the decimal number. 6 + 0,875 = 6.875. So 6 \(\frac{7}{8}\) = 6.875. On the second question. The recipe requires 3.75 cups of flour. What is this amount as a mixed number in the simplest form? _____ \(\frac{□}{□}\) cups Answer: 3 \(\frac{3}{4}\) cups Explanation: The recipe requires 3.75 cups of flour. 3 + 0.75 0.75 is 0 and 75 hundred. 75 hundredthths = \(\frac{75}{100}\) Simplify using GCF. 75 and 100 GCF are 25. Split the counter and denominator by 25 \(\frac{75 ÷ 25}{100 ÷ 25}\) = 3 \(\frac{3}{4}\) 3-spiral preview question. Gina bought 2.3 pounds of red apple and 2.42 pounds of green green They were sold for $0.75 a pound. How much did apples cost in general? $_____ Answer: $3.54 Explanation: Gina bought 2.3 pounds of red apples and 2.42 pounds of green apples. They were sold for $0.75 a pound. $0.75 x 2.3 = 1.725 $0.75 x 2.42 = 1.815 1725 + 1.815 = 3.54 So apples cost $3.54 question 4. Ken has 4.66 pounds of walnuts, 2.1 pounds of cashews and 8 pounds of peanuts. He mixes them together and divides them equally between 18 bags. How many pounds of nuts are in each bag? _____ pounds Answer: 0.82 pounds Explanation: Ken has 4.66 pounds of walnuts, 2.1 pounds of cashews and 8 pounds of peanuts. He mixes them together and distributes them equally between 18 bags. 14.76/18 = 0.82 Question 5. Mia needs to separate 270 blue pens and 180 red pens into packages. Each pack will contain the same number of blue pens and the same number of red pens. What is the maximum number of packages it can make? How many red pens and how many blue pens will be in each pack? Type below: _____ Answer: Each pack contains 2 red pens and 3 blue pens. Explanation: Mia needs to separate 270 blue pens and 180 red pens into packages. GCF 270 and 180 are the 90 maximum number of packages it can make is 90. Divide the total number of red pens by the total number of packages. 180/90 = 2 Divide the total number of blue pens by the total number of packages. 270/90 = 3 Each pack contains 2 red pens and 3 blue pens. On question six. Evan buys 19 pipe watercolor paint for $50.35. What is the price of each paint pipe? $_____ Answer: $2.65 Explanation: Evan buys 19 pipe watercolor paint for $50.35. $50.35/19 = $2.65 Share & Show - Page No. 77 Order from minimum to maximum. On the first question. \(3 \frac{3}{6}, 3 \frac{5}{8}, 2 \frac{9}{10}\) Type below: _____ Answer: 2 \(\frac{9}{10}\) < 3 \(\frac{3}{6}\) < 3 \(\frac{5}{8}\) Explanation: \(3 \frac{3}{6}, 3 \frac{5}{8}, 2 \c fra{9}{10}\) Compare all numbers first. 2 < 3 If all numbers are the same, compare the fractions. \(3 \frac{3}{6}\) > <\(3\frac{5}{8}\) Order fractions from smallest to largest > <\(5\frac{8} <\(3\frac{5}{8}\) <\(9\frac{10}. On the second question. 0.8 _____ \(2 \frac{3}{6}\), 3 \(\frac{4}{12}\) Answer: 0.8 < latex\frac{4}{12}[latex] Explanation: Write a decimal form \(\frac{4}{12}\) = 0.3333 0.8 > 0.333 So 0.8 < latex\frac{4}{12}[latex] question 3. 0.22 _____ \(\frac{1}{4}\) Write decimal form \(\frac{1}{4}\) = 0.25 0.22 < 0.25 So 0.22 < \(\frac{1}{4}\) Write decimal form 4. \(\frac{1}{20}\) _____ 0.06 Answer: \(\frac{1}{20}\) < 0.06 Callout: Write decimal form \(\frac{1}{20}\) = 0.05 0.05 < 0.06 So \(\frac{1}{20}\) < 0.06 Use a string of numbers that range from minimum to largest. On the fifth question. \(1 \frac{4}{5}, 1.25, 1 \frac{1}{10}\) Type below: _____ Answer: 1\(\frac{1}{10}\), 1.25, 1\(\frac{4}{5}\) Explanation: Write decimal form 1\(\frac{4}{5}\) = 1.8 Write decimal form 1\(\frac{1}{10}\) = 1.1 1.8, 1.25, 1.1 Find each decimal number number in a row. So, from the minimum to the largest, the order is 1.1, 1.25, 1.8 1\(\frac{1}{10}\), 1.25, 1\(\frac{4}{5}\) on your own order from minimum to maximum. On question six. 0.6, 0.75, \(\frac{4}{5}\), 0.75 Type below: _____ Answer: 0.6, 0.75, \(\frac{4}{5}\) Explanation: Write decimals \(\frac{4}{5}\) = 0.8 0.6, 0.8, 0.75 Compare decimals. Everyone is equal. Compare the decimal places: 6 < 7 < 8 So, at least to the maximum, the order is 0.6, 0.75, 0.8 So, question 0.6, 0.75, \(\frac{4}{5}\) 7. \(\frac{1}{2}\), \(\frac{2}{5}\), \(\frac{7}{15}\) Type below: _____ Answer: \(\frac{2}{5}\), \(\frac{7}{15}\), \(\frac{1}{2}\) Callout: Write decimal form \(\frac{2}{5}\) = 0.4 Write decimal form 1\(\frac{7}{15}\) = 0.466; 0.4, 0.466 Compare decimal places. Everyone is equal. 4 < 466; 0.466 < 0.5 Compare hundreds 0.4 and 0.466; 0 < 5 Compare hundreds 5.5 and 5.55; 0 < 5; So from minimum to maximum the is 5,05 < 5,5 < 5,55 Thus, 5,05, 5 \(\frac{1}{2}\), 5 \(\frac{9}{9}\) question 9. 5 \(\frac{7}{7}\), \(\frac{5}{6}\), \(\frac{5}{12}\) Enter below: _____ Answer: \(\frac{5}{12}\), \\, \\, \(\frac{5}{6}\) Callout: \(\frac{5}{7}\), \(\frac{5}{6}\), \(\frac{5}{12}\) To compare fractions with the same counters, compare denominators. So, from the minimum to the largest, the order is \(\frac{5}{12}\), \\ \(\frac{5}{7}\), \(\frac{5}{6}\) question 10. \(\frac{7}{10}\) Answer: \(\frac{7}{15}\) < \(\frac{7}{10}\) Callout: \(\frac{7}{15}\) and \(\frac{7}{10}\) Compare denominators to write equivalent fractions. 1 \(\frac{2}{5}\) Question 1 for Question 1 for \(\frac{7}{15}\) Question 14. Darrell spent 3 \(\frac{2}{5}\)) hours at the project school. Jan spent 3 1\(\frac{1}{4}\)) hours and Maeve spent 3.7 hours on the project. Who spent the least amount of time? Show me how you found the answer. Then describe the next possible method. Type below: _____ Answer: Jan spent the least amount of time. Explanation: Darrell spent 3 \(\frac{2}{5}\)) hours at the project school. Jan spent 3 1\(\frac{1}{4}\)) hours and Maeve spent 3.7 hours on the project. Write decimal form \(\frac{2}{5}\)) = 3.4 Write decimal form 3\(\frac{1}{4}\)) = 3.25 3.4, 3.25, 3.7 3.25 is the lowest. So, Jan spent the least amount of time. Troubleshooting + Programs - Page 78 Use table 15-18. Question 15: In one week, Altoona, PA, and Bethlehem, PA, received snow every day, Monday to Friday. What days did Altoona receive more than 0.1 inches more snow than Bethlehem? Enter below: _____ Answer: Altoona received more than 1 inch more snow than Bethlehem on Friday Explanation: Altoona (converted to decimal): 2.25, 3.25, 2625, 4.6, 4.75 Bethlehem: 2.6, 3.2, 2.5, 4.8, 2.7 Altoona received more than 1 inch more snow than Bethlehem on Friday at 16. What if Altoona got an extra 0.3 inches of snow on Thursday? How does the total amount of snow in Altoona compare to the amount received in Bethlehem that day? Type below: _____ Answer: Altoona received 0.1 more snow than Bethlehem on Thursday

Explanation: Altoona received an additional 0.3 inches of snow on Thursday so 4.6 + 0.3 = 4.9 Bethlehem received Thursday = 4.8 Altoona received 0.1 inches more snow than Bethlehem on Thursday issue 17. Explain two ways you could compare snow totals in Altoona and Bethlehem on Monday. Type below: _____ Answer: Explanation: Altoona received Monday = 2.25 Bethlehem received on Monday = 2.6 Bethlehem received 0.35 inches more snow than Altoona on Monday. Because all numbers are equal to compare 1/4 and 0.6. 0.25(3)0.6 Question 18: Explain how you can compare snow totals in Altoona on Thursday and Friday. Type below: _____ Answer: Altoona received Thursday = 4.6 Altoona received Friday = 4.75 4.6 < 4.75 Altoona received less snow on Thursday compared to Friday. Question 19: Write that from the minimum to the largest. Type below: _____ Answer: Compare 100: 0.33 <, 0.30 0.4 48; 0.45 Thus, 1/3, 0.29, 2/5, 0.45 Order compare and order fractions and decimals – Page No. 79 Post < > on the first question. 0.64 _____ 0.25(4)(0) Answer: 0.64 < 0.8(3)(5)(0) Explanation: Write the decimal form of \frac{7}{10}) = 0.7 Compare tenths; 6 < 7 So, 0.64 < 0.7 Question 2 0.48 _____ \frac{6}{10}(5)(0) Answer: 0.48 < 0.6(3)(5)(0) Explanation: Write the decimal form of \frac{6}{10}(5)(0) = 0.6 Compare hundredths: 0.48 < 0.6 Question 3 0.75 _____ \frac{4}{5}(3)(5)(0) Answer: 0.75 < 0.8(3)(5)(0) Explanation: Write the decimal form of \frac{4}{5}(3)(5)(0) = 0.8

[Content continues as a dense, heavily compressed stream of mathematics worksheet problems, explanations, and answers covering fraction comparison, mixed numbers, multiplication and division of fractions, spiral review questions, and model-based problem solving across multiple pages.]

box of sets of beads. The box weighs 2 \frac{2}{3}\) lb. Each set of beads weighs \(\frac{1}{6}\) lb. How many sets are in the box? What does the answer mean? Type below: _____ Answer: 16 sets are in the box Explanation: Eliza opens a box of sets of beads. The box weighs 2 \frac{2}{3}\) lb. Each set of beads weighs \(\frac{1}{6}\) lb, 2 \frac{2}{3}\) ÷ \(\frac{1}{6}\) = 8/3 ÷ 1/6 = 16. 16 sets are in box 9 question. Hassan has a mixture of two boxes of trail. Each cell contains 1 \(\frac{2}{3}\) lb trace mixture. He eats a mixture of \(\frac{1}{3}\) lb trail every day. How many days does Hassan eat the trail mixture before it runs out? _____ days Answer: 10 days Explanation: Hassan has two boxes of trail mix. Each cell contains 1 \(\frac{2}{3}\) lb trace mixture. 1 \(\frac{2}{3}\) = 5/3 2 × (5/3) = 10/3 He eats \(\frac{1}{3}\) lb trail mixture every day. 10/3 ÷ 1/3 = 10 Hassan eats the trail mixture for 10 days before he runs out. Question 10: Meaning or nonsense? Steve made this model show \(2 \frac{1}{3}\) \div \frac{1}{6}\). He says the partial is 7. Is his answer feeling or nonsense? Explain your arguments Type below: _____ Answer: \(2 \frac{1}{3}\) \div \frac{1}{6}\) = 7/3 ÷ 1/6 = 14. He said the odds are 7. His answer is nonsense. Question 11: Eva makes buns for sale at the fundraiser. It has 2 \(\frac{1}{4}\) cups of flour, and the recipe calls \(\frac{3}{4}\) cup of flour for each batch of muffins. Explain how to use the model to find the number of buns, Help Eva. Enter below: _____ Answer: 3 Explanation: Eva makes buns for sale fundraiser. It has 2 \(\frac{1}{4}\) cups of flour, and the recipe calls \(\frac{3}{4}\) cup flour a batch of muffins. 2 \(\frac{1}{4}\) ÷ \(\frac{3}{4}\) = 9/4 ÷ 3/4 = Model 3 Mixed Number section – Page 117 Use the model to find the quotient. On the first question. \(4 \frac{1}{2}\) \div \frac{1}{2}\) _____ Answer: Explanation 9: Count the number of trapezoids to find the answer. On the second question. \(3 \frac{1}{3}\) \div \frac{1}{6}\) _____ Answer: 20 Use Model blocks or another model to find a dalient. Then draw a pattern. On the third question. \(2 \frac{1}{2}\) \div \frac{1}{6}\) _____ Answer: Explanation: Model 2 with 2 hexagon blocks. Model 1/2 with 1 trapezoidal block. 1/6 The blocks of 6 triangles are equal to 1 hexagon. Thus, the triangle block indicates 1/6. Count the triangles. There are 15 triangular blocks. Thus, 212÷16 = 15. On the fourth question. \(2 \frac{3}{4}\) \div 2\) _____ Explanation: 2 3/4 ÷ 2 = 11/2 5 problem solving problems. Marty has 2 \(\frac{4}{5}\) quart juice. It pours the same amount of juice into 2 bottles. How much will he pour into each bottle? _____ \(\frac{□}{□}\) quarts Answer: 1\(\frac{2}{5}\) Quartz Explanation: Marty has 2 \(\frac{4}{5}\) quarts. It pours quarts. It pours the same amount of juice into 2 bottles. 2 \(\frac{4}{5}\) = 14/5 = 2.8 2.8/2 = 1,4 = 1 2/5 Question 6. How many \(\frac{1}{3}\) lb pounds of portions are 4 \(\frac{2}{3}\) pounds of cheese? _____ pounds Answer: 14 pounds Explanation: 4 2/3 = 14/3 (14/3)/(1/3) = Question 14 7. Write a word issue that involves splitting a mixed number from a whole number. Fix the problem and describe how you found the answer. Type below: _____ Answer: How much \(\frac{1}{3}\) pound servings is 4 \(\frac{2}{3}\) pounds of cheese? Explanation: 4 2/3 = 14/3 (14/3)/(1/3 = 14 Lesson Check – Page No 118 Sketch pattern to find the dividers. On the first question. Emma has 4 \(\frac{1}{2}\) pounds birdseed. She wants to divide it evenly between 3 bird feeders. How many birdseed should it put into each? _____ \(\frac{□}{□}\) pounds Answer: 1\(\frac{1}{2}\) pounds Explanation: Emma has 4 1/2 pounds birdseed. Convert this to an invalid fraction. 4 1/2 = 9/2 Emma wants to evenly divide it by 3 bird feeders. Thus, it should submit (9/2)/3 = 3/2 = 1 1/2 question 2. The cracker box weighs 11 \(\frac{1}{4}\)) ounces. Kaden calculated that one serves an ounce of \(\frac{3}{4}\). How many portions are in the box? _____ portions Answer: 15 portions Explanation: 11 1/4 to 3/4 11 1/4 = 45/4 45/4 / 3/4 = 45/4 × 4/3 = 180/12 = 15 portions Spiral Review Question 3. The Ecology Club volunteered to clear the 4.8-kilometer highway. Members are divided into 16 teams. Each team will clean the same highway. How many highways will each team be clean? _____ kilometers Answer: 0.3 kilometers Explanation: Ecology Club voluntarily cleaned 4.8 kilometers of highway. Members divided into 16 teams. The total length of the motorway is given 4.8 kilometers. If 16 teams. 4.8/16 = 0.3 So each team will clear the 0.3 kilometer highway. On the fourth question. Tyrion has $8.06 How many bagels can he buy if each bagel costs $0.65? _____ bagels kilometer: 12 bagels Explanation: $8.06/$0.65 = 12.4 12 bagels Question 5. The nail is 0.1875 inches thick. What is its thickness as a fraction? Is 0.1875 inches closer to the \(\frac{1}{8}\) inch or \(\frac{1}{4}\) inch number in the string? Type below: _____ Answer: 0.1875 = 3/16, which is the same distance to 1/4 and 1/8 This is the same distance from each other. On question six. Many wants to find product 5 \(\frac{3}{20}\) × 3 \(\frac{4}{25}\) using decimals instead of fractions. How can it overwrite the problem using decimal fractions? Type below: _____ Answer: 16,274 Explanation: Decimal 5 3/20 is 5.15 Decimal 3 4/25 is 3.16 5.15 × 3.16 = 16.274 Share and View – Page No. 121 Rating. Then write a piece in the simplest form. On the first question. {1}{3} Answer: 5\(\frac{3}{4}{375}{1000}\) □□\ Callout: 4 1/3 = 13/3/13 3 = 4,333 is closer to 4.3 3/4 = 0.75 is closer to 0.8 4.3/0.8 = 5,375 = 5,375/1000 Question 2. Six travelers shared a mixture of 4 \(\frac{75}{100}\) Explanation: 6 hikers = 4.5 lbs trail mix 4.5/6= .75 lbs each hiker. On the third question. □□{2}{3} Answer: 2\(\frac{947}{1000}\) □□\ Callout: 5 2/3 = 17/3 = 5.5 5666 is closer to 5.6 5.6/3 = 1.866 is closer to question 1.9 5.6/1.9 = 2,947 = 2 947/1000 Question 4. \(7 \frac{1}{2} \div 2 \frac{1}{2}\) _____ Answer: 3 Callout: 7 1/2 = 15/2 = 7.5 2 1/2 = 5/2 = 2.5 7.5/2,5 = 3 According to your estimate. Then write a piece in the simplest form. On the fifth question. {3}{4} Answer: 1\(\frac{1}{2}{27}{100}\) □□\ Callout: 5 3/0/4 = 23/4 = 5,75 4 1/2 = 9/2 = 4,5 5,75/4,5 = 1,27 = 1 27/100 Question 6. \(5 \div 1 \frac{1}{3}\)) _____ Answer: 3\(\frac{84}{100}\) Callout: 1/3 = 4/3 = 1.33 is closer to question 1.3 5/1.3 = 3.84 = 3 84/100 Question 7. \(6 \frac{3}{4} \div 2\) _____ Answer: 3\(\frac{2}{5}\) Callout: 6 3/4 = 27/4 = 6.75 is closer to 6.8 6.8/2 = 3.4 = 3 2/5 Question 8. {2}{9} Answer: 1\(\frac{□□}{3}{7}{571}{1000}\) Callout: 2 2/9 = 20/9 = 2 .22 is closer to 2.2 1 3/7 = 10/7 = 1,428 is closer to question 1.4 2.2/1,4 = 1,571 = 1 571/1000 9. How many 3 \(\frac{1}{3}\) yd units can Amanda get from 3 \(\frac{1}{3}\) yd ribbon? _____ \(\frac{□}{□}\)\ Answer: 3\(\frac{2}{5}\) Callout: 6 3/4 = 27/4 (27/4)/3 (27/4)/1/3 = 27/12 Algebra Estimate according to transaction procedure. Write the answer in the simplest form. Question 11: {1}{2} Answer: 2\(\frac{1}{3}{3}{14}\) □□\ 202) × 2 = 3/2 × 2 = 3 1 1/3 = 4/3 3/(4/3) = 9/4 = 2,25 = 2 1/4 Question 12. \(1 \frac{2}{5} \div 1 \frac{13}{15}+\frac{5}{8}\) _____ Answer:3\(\frac{□}{□}\) yarn into: 1\(\frac{2}{3}\)(8}\) Callout: (1 2/5))))/(1 13/15) = (7/5)/(28/15 = 3/4 = 0.75 0.75 + 0.625 = 1,375 = 1 3/8 Question 13. \(3 \frac{1}{2}-1 \frac{5}{6}\ \div 1 \frac{2}{9}\)\ _____ Answer: 2 Callout: (1 5/6)/(1 2/9) = (11/9))/(6)/11/9 = 3/2 = 1 1/2 = 1.5 3 1/2 = 7/2 = 3.5 3.5 – 1.5 = Question 2 14. Search for the model Find the following factors: \(2\0\div 4 \frac{4}{5}\), \(10 \div 4 \frac{4}{5}\)\ How many breaks will it take? A. What problem do you ask to solve? Enter below: _____ Answer: How many breaks Dina will take when hiking \(\frac{1}{2}\) easily trail and stops breaks every \(\frac{3}{4}\) mile. Question 15: B. How will you use the information in the table to solve the problem? Enter below: _____ Answer: Dina light trail length, break time Question 15. C. How can you find distance dina jumps? How far is it to hike? _____ \(\frac{□}{□}\) miles Answer: Chapter 15 question. E. How many breaks will Dina take? _____ break Answer: 3 breaks Explanation: 39/4 ÷ 13/4 = Question 3 16. Carlo packs 15 \(\frac{3}{4}\) lb books 2 boxes. Each book weighs 1 \(\frac{1}{8}\) lb. Box A contains 4 more books than box B. How many books are in cell A? Explain your work. _____ Book Answer: Carlo packs 15 \(\frac{3}{4}\) lb books 2 boxes weighs 1 \(\frac{1}{8}\) lb. 15 \(\frac{3}{4}\) ÷ 1 \(\frac{1}{8}\) = 63/4 ÷ 9/8 = 14 14 books in 2 boxes. Box A contains 4 more books than box B. Rex's goal is to run 13 \(\frac{3}{4}\) miles in 5 days. He wants to run the same distance every day. Jordan said that Rex will have to run 3 \(\frac{3}{4}\) miles each day to reach his goal. Do you agree with Jordan? Explain the answer in words and numbers. Enter below: _____ Answer: Rex's goal is to run 13 \(\frac{3}{4}\) miles over 5 want to run the same distance every day. 13 \(\frac{3}{4}\) miles 5 days. Jordan's answer is incorrect Split Mixed Numbers - Page No. 123 Rating. Then write a piece in the simplest form. On the first question. {1}{2} Answer: 1\(\frac{1}{3}{1}{2}\) □□\) /2 = 5/2 = 2.5 is closer to 3 2 1/3 = 7/3 = 2,333 is closer to 3/2 = 1,5 = 1 1/2 Question 2. \(2 \frac{2}{3} \div 1 \frac{1}{3}\)) _____ Answer: 2 Explanation: 2 2/3 = 8/3 = 2.666 is closer to 2.6 1 1/3 = 4/3 = 1,333 is closer to 1.3 2.6/1,3 = 2 3. \(2 3. \(2 \div 1 \frac{5}{8}\)\ □□\) Answer: 1\(\frac{2}{3}\) Explanation: 3 5/8 = 29/8 = 3,625 is closer to 3.6 2/3,6 = 0.5 = 1/2 Question 4. □□{2}{5}{13}{15} Answer: 1\(\frac{126}{100}\) Callout: 1 13/15 = 28/15 = 1,8666 is closer to 1.9 1 2/5 = 7/5 = 1.4 is closer to question 1.5 1.9/1.5 = 1,266 100/100 Question 6. \(5 \div 1 \frac{1}{3}\)) _____ Answer: 1\(\frac{1}{2}\) Callout: 5 3/0 1.5 is closer to 6.7 10/6.7 = 3/2 = 1 1/2 Sixth question. Answer: 3}{5}2\(\frac{□□}{1}{25} {3}{5}\)) = 13/5 = 2.6 1 1/25 = 26/25 = 1,04 is closer to question 1 2,6/1 = 13/5 or 2 3/5 7. □□{1}{5} Answer: 1\(\frac{1}{10}\) Callout: 2 1 /015 = 11/5 = 2 2 is closer to 2.2 2.2/2 = 1.1 = 11/10 = 1 1/10 0 question. Sid and Jill hiked 4 \(\frac{1}{8}\) miles in the morning and 1 \(\frac{7}{8}\) miles in the afternoon? _____ \(\frac{□}{□}\) times Reply: 2\(\frac{1}{5}\)) times Explanation: Sid and Jill went 4 \(\frac{1}{8}\) miles in the morning and 1 \(\frac{7}{8}\) miles in the afternoon. 4 \(\frac{1}{8}\) = 33/8 1 \(\frac{7}{8}\) = 15/8 (33/8) ÷ (15/8 = 33/15 = 11/5 or 2 1/5 Problem Solving Issue 9. It takes Mari 2 \(\frac{3}{4}\)) hours to weave the basket. He worked monday to Friday, 8 hours a day. How many bags did he make? _____ bags Answer: 15 baskets Explanation: it worked (Monday – pn) 5 days 8 hours per day × 5 × 8 = 40 hrs 40/ (2 2/3) = 40 / (8/3) = 40 × 3/8 = 120/8 = 15 baskets question 10. The tree grows by 1 \(\frac{3}{4}\) feet per year. How long will it take for the tree to grow from 21 \(\frac{1}{4}\) to 37 feet tall? _____ year Answer: 9 years Explanation: Tree grows 1 3/4 = 7/4 feet per year. If you want to know how long it will take for the tree to grow from 21 1/4 = 85/4 feet high to 37 feet high, 37 – 21 1/4 = 37 – 85/4 = 148/4 – 485/4 = 63/4 = 15 3/4 15 3/4 / 1 3/4 = 63/4 / 7/4 = 63/4 × 4/7 = 9 question 11. Explain how many portions of 1 \(\frac{1}{4}\) cup are in a pot containing 22 \(\frac{1}{2}\) cups of soup. Type below: _____ Answer: With this in mind, the total number of cups = 22 1/2 Number of cups required for each serving = 1 1/2 Servings = 22 1/2 ÷ 1 1/2 = 45/2 ÷ 3/2 = 45/3 = 15 Lesson Check – Page 124 1. The volume has a can of paint, which covers 37 \(\frac{1}{2}\) square meters. Each fence board has an area of \(\frac{3}{16}\) square meters. How many boards can he paint? _____ Board Answer: 200 boards Explanation: Tom has a can of paint that covers 37 \(\frac{1}{2}\) square meters. Each fence board has an area of \(\frac{3}{16}\) square meters. 37 \(\frac{1}{2}\) ÷ \(\frac{3}{16}\) = 200 square meters question 2. The baker wants to put 3 \(\frac{3}{4}\) pounds of portions in every cake that makes. She purchased 52 pounds{1}{2} of apples. How many cakes can she make? _____ Cakes Answer: 14 Cakes Explanation: Baker wants to put 3\(\frac{3}{4}\) pounds of apple in each cake she makes. She purchased 52 pounds{1}{2} of apples. 52 \(\frac{1}{2}\) ÷ 3\(\frac{3}{4}\) = 14 Cakes Spiral Review Question 3. Three sides of the triangle measure 9.97 meters, 10.1 meters and 0.53 meters. What's the distance around the triangle? _____ meters Answer: 20.6 meters Explanation: The distance around the triangle is the perimeter of the call to get it, we need to add 3 sides. Thus, 9.97 + 10.1 + 0.53 = 20.6 meters question 4. Selena bought 3.75 pounds of meat for $4.64 per pound. What were the total cost of meat? $_____ Answer: $17.40 Explanation: Selena bought 3.75 pounds of meat. The price of meat of one pound = $4.64 Total meat price = 4.64 × 3.75 = $17.40 The total price of 3.75 lb of meat was $17.40. On the fifth question. Melanie prepared 7 \(\frac{1}{2}\) tablespoons of spice mixture. She uses a \(\frac{1}{4}\) spoon to make a lot of barbecue sauce. Calculate batches of barbecue sauce it can make using a spice mixture. Type below: _____ Answer: 30 batches of sauce Explanation: Melanie prepared 7 \(\frac{1}{2}\) spoonfuls of spice mixture. She uses a \(\frac{1}{4}\) spoon to make a lot of barbecue sauce. 7 \(\frac{1}{2}\) ÷ \(\frac{1}{4}\) = 30 she can make 30 batches of sauce 6. Arturo mixed together 1.24 pounds of pretzels, 0.78 pounds of nuts, 0.3 pounds of sweets, and 2 pounds of popcorn. Then he packed it in bags so that everyone is 0.27 pounds. How many bags could he fill? _____ bags Answer: 16 bags Explanation: Arturo mixed together 1.24 pounds of pretzels, 0.78 pounds of nuts, 0.3 pounds of sweets, and 2 pounds of popcorn. 1.24 + 0.78 + 0.3 + 2 = 4.32 4.32/0.27 = 16 Page No 127 Question 1. There is a supply of \(\frac{1}{20}\)) lb sand class science supply. If one scoop of sand weighs \(\frac{1}{20}\)) lb, \(\frac{4}{5}\) – \(\frac{1}{20}\) = 4/5 × 1/20 = 16 ladles question 2. What if Mary leaves the sand supply of \(\frac{2}{5}\)) lb? How many scoops of sand can it get? _____ scoops Answer: 8 scoops Explanation: There is a supply of \(\frac{2}{5}\)) lb sand class science. If one scoop of sand weighs \(\frac{1}{20}\)) lb, \(\frac{2}{5}\)/\(\frac{1}{20}\)) = 2/5 × 20 = Question 8 3. The scientific supplies contain 6 gallons of distilled water. If 10 students each use the same amount of distilled water and there are 1 maybe left in the supply, how much will each student receive? \(\frac{□}{□}\) gallon Answer: \(\frac{1}{2}\) gallon Explanation: Scientific supplies contain 6 gallons of distilled water. There are 1 maybe left in the supply, 6 - 1 = 5 10 students each use the same amount of distilled water = 5/10 = 1/2.5 maybe each student receive = \(\frac{1}{2}\) gallon. Question 4. Selena bought 7 \(\frac{1}{8}\)) lb weighed \(\frac{1}{64}\)) lb. After Eric bought some fish, the total weight of the fish left in the tank was \(\frac{1}{2}\)) lb. How many fish did Eric buy? _____ Fish Answer: 386 fish Explanation: the total weight of fish in the tropical fish tank in the fish n fur was \(\frac{7}{8}\)) lb. Each fish weighed \(\frac{1}{64}\)) lb. After Eric bought some fish, the total weight of the fish remaining in the tank was \(\frac{1}{2}\)) lb. 386 is the answer to each question 2 \(\frac{1}{3}\)) lb gerbil food. After selling bags of gerbil food that each held \(\frac{3}{4}\)) lb, \(\frac{1}{4}\)) lb the store earned $ _____ Answer: $9.75 Explanation: The store earned $9.75 because it sold 3 bags of gerbil food. Then you multiply 3 by 3.25. On question six. Describe Niko bought 2 lb dog treats. He gave his dog \(\frac{3}{5}\)) lb treats one week and \(\frac{7}{10}\)) lb treats the next week. Let us find the amount of dog food eaten by dogs within two months. 3/5 + 7/10 = 13/10 Now we will take away the amount of food eaten by the dog from the amount of food, first looking for the remaining amount of dog food. 2 – 13/10 = 7/10 Therefore, at the end of two months, 7/10 pounds of food remained in the bag. On question seven. There were 14 \(\frac{1}{4}\)) cups of apple juice in a container. Every day Elise drank 1 \(\frac{1}{2}\)) cups of apple juice. Today, there is a \(\frac{3}{4}\)) cup of apple juice. Derek said that drank apple juice for nine days. Do you agree with Derek? Use words and numbers to explain your work. _____ Answer: Derek is correct. Explanation: Apple juice container had 14 1/2 =14.25 She drank per day 1 1/2 = 1.5 Left part of the container 3/4= .75 14.25 cups – .75 cup = 13.5 cups 13.5 cups ÷ 1.5 cups per day = 9 days Problem solving fraction surgery - Page 129 Read each problem and solve it. On the first question. \(\frac{2}{3}\)) pizza left. A group of friends divide the remaining pizzas into pieces each equal to \(\frac{1}{18}\)) the original pizza. After each friend took one piece, \(\frac{1}{6}\)) the original pizza remained. How many friends were in the group? _____ Friends Answer: 9 Friends Explanation: Let's say there are 1/18 of the original pizza, but this in turn leaves 1/6 of 2/3 remaining. 1x/18 = 2/3 – 1/6 x = 12 – 3 = question 9 2. Sarah's craft project uses pieces of yarn that are \(\frac{1}{8}\)) in the yard for a long time. It has a piece of yarn, which is 3 meters long. How many \(\frac{1}{8}\)) - yard units can it cut and still 1 \(\frac{1}{4}\)) yards left? _____ pieces Answer: 14 pieces Explanation: Sarah's craft project uses pieces of yarn that are \(\frac{1}{8}\)) long. It has a piece of yarn, which is 3 meters long. If she left 1 \(\frac{1}{4}\)) yards left. 3 – 1 \(\frac{1}{4}\)) = 7/4 7/4 – \(\frac{1}{8}\)) = 14 Question 3. Alex opens a 1 pint container of orange butter. It spread{1}{16}s the butter over it to the bread. How many \(\frac{1}{16}\)) - pint containers can fill? _____ \(\frac{3}{4}\)) - pint containers {3}{4}\) containers Explanation: Alex opens 1 pint of orange butter. It spread{1}{16}s the butter over it to the bread. 1 – 1/16 = 15/16 Then he divides the rest of the butter into 1 \(\frac{3}{4}\)) pint containers. (15/16) ÷ (3/4 = 5/4 = 1 1/4 Question 4. Kaitlin buys a pound of \(\frac{9}{10}\)) orange slices. She eats \(\frac{1}{3}\)) of them and divides the rest equally into 3 bags. How much does each bag cost? _____ lb Answer: 17/90 lb Explanation: Kaitlin buys a pound of orange slices{9}{10}.' She eats \(\frac{1}{3}\)) of them and divides the rest equally into 3 bags. If she starts at 9/10 pounds and eat 1/3 of them, 9/10 – 1/3 = 17/30 That's the amount she left behind. Let's divide this value by 3 to see how many pounds are in one bag. (17/30)/3 = 17/90 One bag contains 17/90 pounds. On the fifth question. How to draw a pattern that corresponds to \(\left(1 \frac{1}{4}\right)\div \frac{1}{2}\)). Enter below: _____ Answer: Divide 2 bars into 8 quarters. Then to draw 1 1/4 or Quarters. Remove 1/2 or 2 quarters Divide each of the 3 quarters remaining in the 2-eighth Callout: \(\left(1 \\left(1 \div \frac{1}{8}\right) 1 1/4 -1/2 = 5/4 – 1/2 = 3/4 3/4 + 1/8 = 6 lesson check - Page No 130 Question 1. Eva wanted to fill the bags with a mixture of \(\frac{3}{4}\)) pounds trail. She started with 11 \(\frac{3}{8}\)) pounds, but ate a pound of \(\frac{3}{4}\)) trail before she started filling bags. How many bags could she fill? _____ bags Answer: 15 bags Explanation: 11 \(\frac{3}{8}\)) – 1 and 1/4 times x bags=11 and 1/4 times x bags=11 and 1/4 times x bags11 and 1/4 times x bags=45/4 3/4 × 14 convert 11 and 1/4 times x bags=45/4 x bags=45/4 × 4/3 = 15 bags, it could fill 15 bags question 2. John has a roll containing 24 \(\frac{2}{3}\)) feet of wrapping paper. He uses to divide it into 11 pieces. First, although it must cut off the four of the \(\frac{5}{6}\)) because it was torn. How long will each piece be? _____ \(\frac{□}{□}\)) foot Answer: 2\(\frac{4}{25}\)\) ft Explanation: John had a roll containing wrapping paper = 24 2/3 = 74/3 First, it must be cut off 5/6 feet because it was torn. He wants to divide it into 11 pieces. 74/3 – 5/6 Taking L.C.M 3 and 6 are 6 (148-5)/6 = 143/6 = 23.83 ft He wants to divide it into 11 units. length of each piece = 23,83/11 = 2,16 ft spiral view question 3. Alexis has 32 \(\frac{2}{5}\)) ounce beads. How much necklace can she make if everyone uses 2 \(\frac{7}{10}\)) ounce beads? _____ Necklace Answer: 12 Necklace Explanation: Alexis has 32 \(\frac{2}{5}\)) ounce beads. If each uses 2 \(\frac{7}{10}\)) ounce beads, 32 \(\frac{2}{5}\)) × 2 \(\frac{7}{10}\)) 32 \(\frac{2}{5}\)) = 162/5 2 \(\frac{7}{10}\)) = 27/10 162/5 × 27/10 = 12 Necklace Question 4. Joseph has $32.40. He wants to buy several comic books can he buy? _____ Comic Response: 12 comics Explanation: Joseph has $32.40. He wants to buy several comic books that cost $2.70. $32.40/$2.70 = 12 comics question 5. The rectangle is 2 \(\frac{4}{5}\)) meters wide and 3.5 meters long. What is its area? _____ \(\frac{□}{□}\)) m2 Response: 9\(\frac{4}{5}\)) m2 Callout: 2 \(\frac{4}{5}\)) {5} \) = 14/5 \(\frac{1}{2}\)) = 7/2 14/5 × 7/2 = 9 4/5 Sixth question. The rectangle is 2.8 meters wide and 3.5 meters long. What is its area? _____ m2 Answer: 9.8 m2 Explanation: The rectangle is 2.8 meters wide and 3.5 meters long. 2.8 × 3.5 = 9.8 Chapter 2 Overview/test – Page 1 1. Write values that range from the lowest to the highest. Type below: _____ Answer: 0.45, 0.5, 5/8, 3/4 Explanation: 3/4 = 0.75 5/8 = 0.625 0.5, 0.5 0.45 < 0.5 < 0.625 < 0.75 Question 2. For numbers 2a-2d, compare. Choose <, >, or =. 2a. 0.75 _____ \(\frac{3}{4}\)) 2b. \(\frac{4}{5}\)) _____ 0.8 0.8 > 0.325 2c. 1 \(\frac{3}{5}\)) _____ 1 9 2d. 7.4 = 7 \(\frac{2}{5}\)) Explanation: 2a. 3/4 = 0.75 0.75 0.75 0.75 2b. \(\frac{4}{5}\)) = 0.8 0.8 > 0.325 2c. 1 \(\frac{3}{5}\)) = 8/5 = 1.6 <, 1 9 2d. 7 \(\frac{2}{5}\)) = 37/5 = 7,4 7.4 = 7.4 Question 3. The table lists the height of 4 trees. For 3a-3d numbers, select True or False for each statement. 3a. Oak is the shortest. True False 3b. Birch is the tallest. True False 3c. The Sycamore tree is taller than the maple tree. True False 3d. The Sycamore tree is taller than the maple tree. True False Answer: 3a. Oak is the shortest. True False 3b. Two trees are the same height. True False 3c. Two trees are the same height. False 3d. The Sycamore tree is taller than the maple tree. Explanation: Sycamore = 15 2/3 = 47/3 = 15.666 Oak = 14 3/4 = 59/4 = 14,75 Maple = 15 3/4 = 63/4 = 15.75 Birch = 15 72 Page No 132 4 question If the numbers are 4a-4d, select Yes or No to indicate whether the statement is correct. 4a. Point A is 1.0. Yes No 4b. Point B stands for \(\frac{3}{10}\). Yes No 4c. Point C is 6.5. Yes No 4d. D point means \(\frac{4}{5}\). Yes No Below type: _____ Answer: 4a. Point A is 1.0. Yes 4b. Point B means \(\frac{3}{10}\). Yes 4c. Point C is 6.5. No 4d.D is \(\frac{4}{5}\). Yes, question 5. Select values that are equal to one twenty-fifth. Select all applicable. Options: a. 125 b. 25 c. 0.04 d. 0.025 Answer: c. 0.04 Explanation: a. 25 = 2/20 Simplify using GCF. 2 and 20 GCF is 2. The counter and denominator shall be divided 2c. 5/10 is the answer. 3/0. 5/7 × 5/8 = 15 56 Product: 0.267 d. 4/9 × 5/9 = 1/2/20 Simplify using GCF. 2 and 20 GCF is 2. Two-fifths of the fish in Gary's fish tank is a quarter. A quarter of the guppies are red. What part of the fish is Gary's tank is red guppies? What part of the fish in Gary's tank is not red guppies? Show me your work. Type below: _____ Answer: 1/10 fish are red guppies. and 9/10 fish are not red guppies. Explanation: Two-fifths of the fish that swim in Gary's fish tank contains a quarter. Let the total number of fish in Gary's fish tank be x. Given that two-fifths of fish in Gary's fish tank are guppies. So, the number of guppies Gary fish tank is 2/5 × x the fact that one quarter of the guppies are red. Red. red guppies = 1/4 × 2x/5 = x/10 So 1/10 fish are red guppies. 1 – 1/10 = 9/10 fish are not red guppies. On question 8. One-third of Finley High School students are in sports. Two-fifths of students who play sports are girls. What proportion of all students are girls who play sports? Use numbers and words to explain your answer. Type below: _____ Answer: One-third of Finley High School students are in sports. Two-fifths of students who play sports are girls. 1/3 × 2/5 = 2/15 girls in school sports. On the fourth question. Draw a pattern to find the particle. \(\frac{3}{4}\) ÷ 2 = \(\frac{3}{4}\)) ÷ \(\frac{3}{8}\)) = How are your models similar? How are they different? Type below: _____ Answer: \(\frac{3}{4}\)) ÷ 2 = 3/4 1/2 = 3/8 \(\frac{3}{4}\)) ÷ \(\frac{3}{8}\)) = 3/4 × 8/3 = 2 Both models multiply by 3/4. The number line model shows how many groups 3/8 are 3/4. Question 10. Explain how to use the model for dal-tei- find the divider. 2 \(\frac{1}{2}\)) 2 = Below type: _____ Answer: 5 Callout: 2 1/2 = 5/2 5/2 groups of 5/2 = 2 5/2 × 1/2 = 5/4 Page No. 134 Divide. Show me your work. Question 11. \(\frac{7}{8}\)) \div \(\frac{3}{5}\)) = _____ \(\frac{□}{□}\)\ Answer: 1\(\frac{11}{24}\)\) Callout: \(\frac{7}{8}\).) <2> <0> 5/\(\frac{3}{5}\) \div\(\frac{7}{8}\) = 35/24 = 1 \(\frac{11}{24}\) \div 1 \(\frac{1}{2}\))= 7/12 Question 12. \(2 \frac{1}{10}\) \div 1 \frac{1}{5}\) = _____ \(\frac{□}{□}\)\ Answer: 1\(\frac{□}{□}\)\) Callout: \(2 \frac{1}{10}\), \(1 \frac{1}{5}\) \div 1\(\frac{□}{□}\) Callout: 2 \(\frac{1}{10}\) <3><0>\) = 21/10 1 \(\frac{1}{5}\)) = 6/5 (21/10) – (6/5) = 7/4 = 1 3/4 13. Sophie has a \(\frac{3}{4}\)) quart of lemonade. If she divides lemonade into glasses that hold a quarter of \(\frac{1}{16}\)), how many glasses can Sophie fill? Show your work _____ glasses Answer: 12 glasses Explanation: Let x be the number of glasses 1/16x = 3/4 x = 3/4 × 16 = 3 × 4 = 12 glasses question 14. Ink cartridges weigh a pound of \(\frac{1}{8}\)). The total weight of the cartridge in the box is 4 \(\frac{1}{2}\)) pounds. How many cartridges are in the box? Show your work and explain why you chose the operation you performed. _____ cartridge Answer: 36 cartridges Explanation: Ink cartridges weigh 1/8 pounds Total cartridge weight per box = 4 1/2 = 9/2 pounds, to find the number of cartridges in the box is 9/2 ÷ 1/8 = 36 So there are 36 cartridges containing the box. Question 15: Beth had a 1-yard strip. She used the \(\frac{1}{3}\)) yard for the project. She wants to split the remaining tape into pieces \(\frac{1}{3}\)) yard for a long time. How many{1}{6} pieces of yard strip can it do? Explain your decision. _____ pc Answer: 4 piece Explanation: But had 1 yard strip. She used the \(\frac{1}{3}\)) yard for the project. She wants to split the remaining strip into pieces yard for a long time. 2/3 – 1/6 = Page 4 No 135 Question 16. Fill out the table for products. Then answer the questions in Part A and Part B Explain how each pair of division and multiplication problems is the same and how different they are. Type below: _____ Answer: 1/5 ÷ 3/4 = 4/15; 1/5 × 4/3 = 4/15 2/13 = 1/5 = 10/13; 2/13 × 5/1 = 10/13 3/5 = 4/3; 4/3 × 5/3 = 4/3 each division and a couple of multiplication problems are the same. They differ from the operation performed. Question 16: Part B Explain how to use the template in the table to rewrite the problem with fractional parts as a multiplication issue. Type below: _____ Answer: First, because it's a division that you need to replace the second fraction called reciprocal. This means that the second group must be flipped against several fractions. Question 17: Margie marched the 17\(\frac{7}{8}\)) trail. She stopped every 3 \(\frac{2}{5}\)) miles to take pictures. Martin and Tina calculated how many times Margie stopped. Who did a better argument? Use numbers and words to explain your answer. Type below: _____ Answer: Margie went 17 7/8 miles on the trail. Distance increased by Margie = 17 7/8 = 143/8 miles. The stopped every 3 2/5 miles to take pictures = 17/5 miles Photo Count = (143/8) ÷ (17/5) = 715/136 = 5.28 So she can take no more than 6 photos and at least 5 photos. B is the correct answer. Question 18: Brad and Cool are building a wooden house. They cut 12 \(\frac{1}{2}\)) a piece of wood into 5 pieces of the same length. How long is each piece of wood? Show me your work _____ \(\frac{□}{□}\)\) \(\frac{1}{2}\)) foot Explanation: Brad and Wes cut a piece of 12 1/2 feet of wood into 5 of the same length. Let the length of 1 piece be x Yes, length 5 units = 5x Total length of wood = 25/2 5x = 25/2 x = 5/2 = 2 1/2 Free grade 6 HMH Go Math Answer Key PDF Download You can get Go Math 6 degree Reply key PDF for free from our page. 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