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€ > +100Join Yahoo answers and get 100 points today. Terms)Privacy)AdChoices)RSS)HelpAbout Answers)Immunity Settings)LeaderboardKnowledge Partners)Points & LevelsSend Feedback) NOTES FROM WMH P E Z G Z HIGH SCHOOL AUTHORS ! is a series of five books designed to provide practice with the skills and concepts taught in today's high school math programs. The series uses many of the same puzzle formats with PRE-ALGEBRA WITH P and ALGEBRA WITH PIZZAZZ! both in Creative Publications. We believe that mastering math skills and concepts requires both good teaching and great practice. Our goal is to provide puzzles of activities that make this practice more meaningful and effective. For this purpose, we tried to incorporate three characteristics into these activities: 1. KNOWLEDGE OF THE RESULTS. In puzzles, various devices are used to tell students whether their answers are correct or not. Feedback occurs immediately after the student does each exercise. For example, if a specific response is not in a code or coded list of responses, the student knows that it is incorrect. He or she can then try again or ask for help. Additional feedback and reinforcement arises when the student finds a solution to the puzzle that is appropriate. This direct knowledge of the results benefits students and teachers, who no longer have to spend time confirming the correct answers. 2. MOTIVATING GOAL FOR THE STUDENT. The puzzles are designed so that students will construct a joke or unscramble the answer to the puzzle in the process of checking their answers. Humor has a boost, as students are not rewarded with a punch line until they finish their exercises. While students may dismiss these jokes as stupid and exhale loudly, our experience has been to enjoy jokes and look forward to solving puzzles. Humor has a positive effect on class morale. In addition to humor, the variety and novelty of puzzle-solving procedures help capture students' interest. By keeping the coded list of answers short and procedures simple, we tried to minimize the time spent finding answers or performing other puzzle mechanics. 3. CAREFUL SELECTION OF TOPICS AND EXERCISES. Puzzles within each area of the theme are carefully sequenced so that each of them upgrades skills and concepts that were previously covered. The sequence of exercises within each puzzle is designed to guide students in incremental, step-by-step mode toward mastering the skill or concept involved. The primary goal is to develop problem solving capabilities. To solve problems, students need not only rules and strategies, but also a meaningful understanding of basic concepts. Some puzzles in this series are designed specifically to build concepts. Other puzzles, especially those for assessment, also help deepen students' understanding by encouraging view numbers as quantities, not just symbols that need to be manipulated. For puzzles especially crucial for solving problems, we tried to write problems that are interesting and unseeable. We included additional information in some problems, and we also inked the problem of the type within the sets, so the problems can not be solved mechanically. In addition to these efforts to make puzzles effective, we tried to make them easy to use. The theme for each puzzle is given both at the bottom of the puzzle page and in the Table of Contents on pages iv and v. Each puzzle is key to a specific topic in recent editions of the leading high school textbooks. Each puzzle requires duplicating only one page, and many of them provide space for student work. Finally, since puzzles are self-empty, they can eliminate the task of correcting tasks. We hope that both you and your students will enjoy using these materials: Steve and Janis Marcy Table of Contents 1. BASIC FACTS a.b.c. d.e. Multiplication of the fact..... 7-10 Division Facts 1 1 -13 Review: Basic Facts 14 Troubleshooting: Mixed apps 15 Using basic facts: Finding multiples 16 Using basic facts: Finding factors... 17 2. PLACE VALUE AND NUMBERING a.b.c. d. e. f. The value of the place in the hundreds of thousands 18 Place value per hundred billion 9 Place value per hundred billion 20 Comparing and ordering numbers 21 Rounding: Nearest 10,100 or 1,000 22 Round-up: Nearest 10,100,1,000 or 10,000 23 3. ADD-IN AND SUBTRACT INTEGERS Basic add properties 24 Appendix: Two additions 25 Appendix: Three or more plugins 26 Subtraction 28 Overview: Add and subtraction 29 Sums and differences 31 4. Multiplying integers. b.c. d.d. e.g. h. and. Basic properties of multiplication ... 32 Distributive assets 34 Mental mathematics: Special products ... 35 Product assessment 37-39 Troubleshooting: Mixed apps 41-42 Multiples with multiples of 10,100, and 1,000 43 j. Multiples by double-digit factor 44-47 k. Multiples by three-digit factor 48 l. Exponents 49 meters. Troubleshooting: Select a calculation method 50 n. Overview: Adding, subtracting, multiplying 51-52 53 o. Troubleshooting: Mixed apps HIGH SCHOOL MATH WITH PIZZAZZ! BOOK A About Creative Publications 5. DIVISION OF INTEGERS A.b.c.d. e. e. g. h. i. j. k. l.m. n. o. p. Mental Math: Using Division Facts... 54 Mental mathematics: Special quotients ... 55 Quotient estimate: Compatible numbers 56-57 Sharing 1-digit Divisor 58-60 Zero in quotient 61 Troubleshooting: The meaning of the quotient 62 Sharing with single-digit dealer: Higher quotients? 63 Finding average 65 Troubleshooting: Mixed apps 66 Division Multiples of 10 67 Sharing with double-digit dealer: 1-digit quotients 68-69 Split by double-digit dealer: Higher quotients 70-72 Overview: All interest operations..... 73 Troubleshooting: Problems in one step 74 Troubleshooting: Problems in one step and multiple steps 75 6. ENRICHMENT A. Roman numerals 76 b. Base 2 Numbers 77.c. Genius Test..... 78 7. Answers..... 79-96 On the choice of topics for HIGH SCHOOL MATH WITH PIZZAZZ! BOOK A About Creative Publications @ What can you say about flat bike tires? The meaning of the updated high school math program. Almost any puzzle can be matched with a specific lesson in recent editions of popular textbooks. After students have received instruction in a topic and done some sample exercises, you can assign a puzzle along with a selection of textbook exercises. Students in middle classes should begin to classify many math problems and exercises into one of three categories: 1. MENTAL MATH. Problems for which one can mentally get the correct answer. 2. ESTIMATE. Problems for which an approximate response is sufficient, obtained mentally. 3. TOOL. Problems that require an correct answer that cannot be obtained mentally. Students will use paper and pencil and/or calculators. Some of the puzzles in this series specifically focus on one of these categories. Several puzzles actually pose problems in all three categories and asks students to make a classification. By the time they reach middle grades, students should generally be allowed to use calculators for problems that require tools (category 3). The most common argument against using calculators is that students will become overly dependent on them. This concern, however, seems to be based primarily on the fear that students will rely on the calculator for PUZZLES problems in categories 1 and 2, those that should be done mentally. To solve problems in category 3, calculators are wonderful tools for computing. Students will also need paper and pencil to capture diagrams, write equations, record scores, etc., so they will need both types of tools. On the other hand, students would not need calculators for problems in categories 1 and 2, problems that call for mental math or evaluation. Skills in these areas are essential not only in everyday life, but also for the use of the calculator itself. The puzzles in this series reflect these three categories and the difference between them. When students use calculators, you may want to write them all the numbers and operations they piece and their answers. This makes it easier to determine the cause of any error and helps to manage the class. Even when students do mental math or assessment puzzles, write a complete list of answers and, where appropriate, the process used to get answers. Encourage students to write each answer before finding it in the list of responses. Students should complete all exercises even if they discover the answer to a joke or puzzle earlier. One of the advantages of using a puzzle as a task is that you can easily make a transparency page and display exercises without having to re-bury them on the board. Then you can point to the parts of the problem you are discussing. It's often helpful to separate transparency so you can show exercises on part of the screen and write solutions in the remaining area. Other books by Steve and Janis Marcy in Creative Publications Pre-Algebra With Pizzazz! in binder covers most topics in pre-algebra curriculum Algebra with Pizzazz! in binder covers most topics in the first year of algebra curriculum 63s 00 s 0 and% L.% on p 2 00 What sound two porcupines make W h e n They kiss? l.e.-0 EIs. z 2 l 3 S = l [R:] Y This multiplier table contains exactly 54 correct responses. The rest are inaccurate. A shade in each box containing the CORRECT answer. Be sure to use your pen so you can delete it as needed. essage Each row contains two correct and two incorrect statements. , Circle the word above each correct statement. When you're done, read the rounded words and you'll get a message! TOPIC 1: Multiplier Facts - lX - l a X Qj. w l. M 0 0 U A n L-V z= 50 Q, Z E a. 0. S= 5a 8x... E rcd Q r n.-3 E = eb l n X W r l. X m b l m X d w n n m clo *x a 0 5 a r 5a. cn. E m ~ X m X S 0 X 0 0 n n 0 0 w n 0 X at 0 X at 0 n 6 X b w +n+n) X-b +n 0 c o d-C ABOUT HIGH SCHOOL MATH WITH PIZZAZZ! BOOK A About Creative Publications X X X b w 6w) C w w V TOPIC 1: Multiplication Facts 1. Where do Martians leave their spaceships? 2. Where cheerios go every day at noon? TO DECODE THE ANSWERS TO THESE QUESTIONS: Find the answer to each exercise in the code. Each time an answer appears, write the letter of that exercise above it. For a period of 2 weeks, the mechanic worked 8 hours a day for 7 days and 5 hours a day for 3 days. How many hours did he work? The mechanic bought six screwdriver for \$8 each. He also bought 4 wrenches at \$9 each. What was the total cost? TOPIC 1: Multiplying facts A-1 0 HIGH SCHOOL MATH WITH PIZZAZZ! BOOK ABOUT Creative Publications @ 5 00 5 C J 20 02 Is facts: Why the E1m9sReport card is everything F O Find the answer to each exercise in the appropriate response set and spot the letter next to it. Write this letter in the box that contains the exercise number. '2 5-z 2l3 l would lo 1l Mrs Shoe made 36 cookies and l shared them equally among her 9 children. How many cookies did each child get? Answers 1-11: @ Class has 13 boys and 15 girls. When you're divided into 4 teams of equal size, how many students are on each team? Answers 12-22: l 0 33 l n 42 days Elmo will celebrate his birthday. He'll be 12. How many weeks until his birthday? Answers 23-33: TOPIC 1-b: Division Facts HIGH SCHOOL MATH WITH PIZZAZZ! BOOK ABOUT Creative Publications @ What can you say about flat bike tires? Find the answer to each exercise in the response set in the exercise framework. Cross the letter above each answer. When you're done, the answer to the question about the title will remain! @ Osgood is having a party. He plans to send out 20 invitations. If invitations are sold in packs of 5, how many should you buy? Osgood decided he needed 24 hot dogs and six bags of chips for the party. If hot dogs come in packs of 8, how many packs should be purchased? @ Osgood decides to serve soda in 12-ounce cans. He thinks he's going to need 36 cans. How many many packets of soda should l buy? n b *l Ln m w X * n =(Cb CY) w n cl. -lCY) a w *l CD n X CD w 0 TOPIC 1-c: Overview: Basic Facts A-1 4 HIGH SCHOOL MATHS WITH PIZZAZZ! BOOK A About Creative Publications What do you call a popular perfume? @ Shery bought 1 small pizza and 1 medium pizza. A. How many pieces did she get? B. What was the total cost? @ Perry bought 2 small and 3 large pizzas. Pizza Heaven Size Number of Pieces Price @ Mary bought 6 medium and 8 large pizzas. a small \$4.5 a. How many chicks did she get? B. What was the total cost? medium 6 \$7 @ Barry bought 9 small and 4 medium pizzas. big \$8.9 a. How many chicks did he get? B. What was the total cost? A. How many pieces did he get? B. What was the total cost? @ Kerry bought 6 small pizzas for a group of 8 people. A. How many pieces did she get? B. If divided equally, how many pieces will each person get? @ Gary bought 6 small and 6 medium pizzas for a group of 6 people. A. What was the total cost? B. If the cost is divided into parts, how much each person person HIGH SCHOOL MATH WITH PIZZAZZ! BOOK A ABOUT Creative Publications A 45 TOPIC 1-d: Problem Solving: Mixed Applications Why Is It Dangerous to Do Maths and Jungle? Select each box that contains a number that does not belong in this row. Then write the letters from these boxes on the lines)on the right. Multiples from 5 0 5 10 15 18 20 25 30 35 36 Multiples from 2 0 2 4 5 Multiples from 8 0 4 8 16 24 32 40 44 48 50 Multiples from 3 0 3 6 9 Multiples 6 0 6 6 12 15 18 24 30 36 40 42 Multiples from 9 0 9 18 27 6 8 10 11 12 14 12 14 15 36 42 45 54 63 66 F l T W H S O V l Multiples of 7 0 7 14 21 24 28 35 39 42 44 6 11 14 10 Even N you are n b e r with S G O Odd numbers 5 13 17 E T E 0 4 16 l N O U R O 7 18 19 l A TOPIC 1-e : Use of basic facts: Finding multiples 12 2 9 1 15 11 0 L G R H T A 46 SECONDARY SCHOOL - A T Wl H TH PIZZAZZ! BOOK A about Creative Publications (What happened to Skunk who couldn't swim? For each exercise, a shadow in the factors of a certain number. Then, in Decoder Key, find a letter with the same pattern of shading. Write this letter in the box that contains the exercise number. 1 and 1 factors 28 1 2 1 factors 18 1 3 1 factors 15 1 4 1 factors 42 1 5 1 factors 49 1 6 1 factors 241 7 - factors 56 8 - factors 30 9 factors 12 10 factors 81 Decoder Key 11 factor 72 - 12 factor 63 When 1s a Lady N o t a Lady? Do each exercise and find your answer in the right answer set. Write the letter of the answer in the box that contains the exercise number. - A blue whale could weigh more than 294,350 Give digits in every place called. @ @ dozens of place thousands' place @ @ - O l J -S. a3 - 8 @ 2 hundred' place l 0 9 0 ten thousand' place 8 0 4 0 0 5 In one year, an elephant can eat 102,845 pounds of hay. Give a digit in each location called. @ @ one' place @ ten thousands' place @ hundreds' place - - - - number of species of beetles is greater than 216,750. Give a digit in each location called. @ @ @ thousands' place tens' place @ @ hundreds of thousands' place ten thousand' write the number in standard form. Write the number in standard form. Write the number in standard form. four hundred and ninety-two thousand, six hundred @ four hundred and ninety thousand, two hundred and six hundred and ninety-thousand, sixty thousand 2: The value of places for one hundred thousand A-1 8 HIGH SCHOOL MATHS WITH PIZZAZZ! BOOK ABOUT Creative Publications Why are unlocked teeth like ? Do each exercise and find your answer in the right answer set. Write the letter of the answer in the box that contains the exercise number. The U.S. territory is 3,618,465 square miles. Give the digit in every place named. 1. tens' place @ ten thousand' place 0 @) thousands' place @ @ 3 million' place 0 6 0 1 0 8 0 4 0 5 7 Earth travels around the sun in 31,556,926 seconds. Give a digit in each location called. @ one hundred thousand' place @ hundreds' place @ millions' place @ ten million' place Speed of light is 670,614,120 miles per hour. Give a digit in each location called. @ @ one' place @ thousands' place @ ten million' place @ @ 600 million' place 0 0 @ l 0 4 @ 2 Write the number in standard form. 0 12,034,050 @ million, two hundred and thirty-four thousand, five hundred and twelve million, thirty-four thousand, fifty-twelve million, three hundred and four thousand, five 12,340,500 1,234,500 12,304,005 Write the number in standard form. @ @ @ @ ninety-eight million, seventy thousand, six hundred and ninety million, eight hundred and seven thousand, six nine hundred and eight million, seven thousand, sixty-nine hundred and eighty million, seven hundred and fifty thousand Write the number in standard form. @ @ @ @ five hundred and fifty million, five hundred thousand, five hundred million, fifty-five thousand, five hundred high school math with PIZZAZZ! BOOK ABOUT Creative Publications A 49 @ 505,055,050 505,500,050 500,505,500 500,055,500 505,500,055 TEMA 2-b: Place value for 100 million cu-m b 7 001 5 dd-l -.?. CD d- * Ki b Y Q) THEME 2-c: Place value for one hundred billion A-20 HIGH SCHOOL MATHS WITH PIZZAZZ! BOOK ON Creative Publications Why did the farmer's daughter look at lazy cows? For each exercise, circle the letter of the correct selection. Write this letter in the box that contains the exercise number. ll. Write the correct number with each question. l. Write >, l c l= 14. What's the smallest number? 15. What is the highest number? 16. What is the minimum number? 17. What is the highest number? 18. What is the minimum number? 19. What is the minimum number? 20. What is the minimum number? 21. What is the highest number? 22. What is the highest number? 23. What is the highest number? 24. What is the minimum number? 25. What is the highest number? a 13. 100,000,000 1 00 million 1L / R / N l 0 c u m c (D comCUq? . m b m TOPIC 2-e: Roundirr; Nearest 10, 100, or 1,000 % - 2 0 o cum m C b C 9 A-22 O - o q 0 * m C o 0 - q 0 * - b m HIGH SCHOOL MATH WITH PIZZAZZ! BOOK ABOUT Creative Publications on - HIGH SCHOOL MATH WITH PIZZAZZ! BOOK A ABOUT Creative Publications A-23 THEME 2-f: Rounding Up: Nearest 10, 100, 1,000 or 10,000 Why did you get a wig from Acme Wig Company So micMy? For each exercise, write the missing number blank. Then select an illustrated property. CIRCLE the letter in the corresponding column next to the sentence. At the bottom of the page, locate the box with the number you wrote in blank. Write the letter you circled in this box. suburban associative assets TOPIC 3's: Basic properties of adding A-24 Identify real estate HIGH SCHOOL MATH WITH PIZZAZZ! BOOK ABOUT Creative Publications Dentists hate it! Do the exercises below and find your answers in the rectangle. Shade in each area containing the correct answer. You'll find out what dentists hate! HIGH SCHOOL MATH WITH PIZZAZZ! BOOK A ABOUT Creative Publications THEME 3-b: Appendix: Two additions What do you get when ... 1. Cross the rabbit with a lawn sprayer? 14,232 54,820 94,700 1,502 46,640 6,289 39,880 94,700 54,820 12,105 2. Cross the kitten with an xerox machine? 54,820 95,300 50,373 775 39,880 12,105 51,273 50,373 54,820 263,267 3. Cross two turkeys with a coal company? 296 1-1,502 94,700 1,734 14,771 88,472 94,700 60,511 6,289 88,472 1,944 TO DECODE THE ANSWERS TO THESE THREE QUESTIONS: Do each exercise below and find your answer in the code. Each time an answer appears, write the letter of the exercise above it. r Use the table on the right for the following three questions. @ What is the combined area of the two largest lakes? Great Lakes @ What is the combined area of the three smallest lakes? @ What is the combined area of all five lakes? sq mi sq mi TEMA 3-c: Appendix: Three or more additions to the A-26 E Erie Huron Michigan Ontario Superior Area (square miles) 9,940 23,010 22,400 7,540 31,810 HIGH SCHOOL MATH WITH PIZZAZZ! BOOK A ABOUT Creative Publications a. - a. 4 8 0 -a. cn 525 ep a 6 0 5s 0D OE. -m 0 g a. * you) 5 x cia. L O gz Pl 5-0 3 L 0 b0 ;you) 0 3 k 0 2x. ga. G b z: F3. E h y Y A xa. m a. B 55 cd Q) 2 HIGH SCHOOL MATH WITH PIZZAZZ! BOOK A ABOUT Creative Publications TOPIC 3-d: Taking Away Did Y o in Hear About... Do each exercise and find your answer in the appropriate response section. Notice the word below the answer. Write this word in the box that contains the letter of the exercise. Answers A-1: Answers J-1: 35,155 GO 3,435 TO 8,634 NEW \$728.75 WHEN 37,655 RUN 70,290 GROUND 599 SYSTEM \$2,175 TRACKS 548 566,480 WHEELS 65.151 CARS \$37.65 OVER 4,812,982 ALL \$86.56 THEIR 1,726 WITH \$34.75 ABOUT 6,088 TO \$739.75 UNDER 2,778 SUBWAY @ Ms. Twinkle bought the car for \$15,000. Five years ago 4,886 4,837,982 UNDER later, it sold the car for \$8,350. How much less was the sale price than the

original purchase price? \$6650 SAT 64,551 TRAINS @ Leonardo bought one oil painting for \$33,150 and \$84.66 City 5,578 HIGHER second by \$4,675. He later sold both paintings together for \$10,000. How much did Leonardo make? 3rd Theme: Subtraction: With Zeros Am28 \$31.79 CITY R/IDDL, ESCHOOL MATH WITH PIZZAZZI BOOK ABOUT Creative Publications "What Can you get when to make a phone call to a bee? Do each exercise and find your answer in the rectangle below. Cross out the box that contains your response. When f--ish, write letters from the remaining boxes in the spaces at the bottom of the page. I'm 1 Matt ordered a Galaxy Burger and Milky Way Shake. Karen ordered a Moon Burger and a big space drink. @ @ Item Calorie Chart How many calories were in Matt's meal? How many calories were in Karen's meal? How many more calories were in Mike's meal than in Karen's meal? How many calories were in Jennifer's meal? Calories Galaxy Burger Star Burger Astro Fries 725 480 365 290 @ Saturn Rings Milky Way Shake Space Drink, large space drink, small 195 430 140 85 Our burgers are meteor PH TH GR AB LA EE WITH 00 692,878 3,388 656 4,913,966 14,850,286 495 525 525505 CA LL LA CO ZY OU BE SI 66,157 64,358 1,350 4,912,966 14,920,286 9,783 507,349 1,280 HIGH SCHOOL MATHS WITH PIZZAZZI BOOK A O Creative Publications A-29 And Galaxy Burgers Jennifer ordered Star Burger, Astro Fries and small.I Space Drink. Mike ordered a Galaxy Burger, Saturn Rings and Milky Way Shake. @ How many calories were in Jennifer's diet? @ I 1 TOPIC 3-F: Review: Adding and Subtracting Why Don't Many Barbers Join the Army? Estimate each amount or difference. Circle the letter of a better choice. Write this letter in the box that contains the exercise number. @ about 100 @ o and 2 @ about 90 @ about 120 @ about 50 @) about 260 @ about 300 @ about 710 @ about 740 @ about 90 @ about 400 @ about 600 @ about 1,500 @ about 1,200 @ about 4,400 @ about 4,800 @ about 1,000 @ about 1,300 @ about 13,000 @ about 16,000 @ about 3,000 @ about 1,000 @ about 40,000 @ about 43,000 @ about 23,000 @ about 26,000 @ about 18,000 @ about 22,000 @ about \$14 @ about \$17 @ about \$10 @ about \$12 @ about \$29 @ about \$32 on March 19. Valley Video owns 1,714 videotapes. Of those, 288 were rented. How many are not rented? 20. Dinner costs \$28.35. Tax and tip together add \$6.83. How many changes do you need to get from a \$50 bill? @ about \$12 @ about 1,200 @ about 1,400 TOPIC 3-9: Estimate amount and difference A-30 @ about \$15 IVIDDLE SCHOOL MATH WITH PIZZAZZI BOOK O creative publications What kind of birds jump out of planes? Solve each problem below and find your solution in the reply column. Write the response letter in each box that contains the number of problems. @ Kent weighs 139 pounds, and his bike weighs 31 kilograms. Jill is 106 and her bike is 228. How much higher is the combined weight of Kent and his bike than the combined weight of Jill and her bike? @ Janet and Andy bowled three games. Janet's grades were 119, 96 and 145. Andy's scores were 127, 74 and 88. How much higher was Janet's total score by three games than Andy's total? @ In three weightlifting competition events, Paul had lifts from 165,290 and 2259. The flat had lifts of 216,344, and 2243. How much higher was the grand total of Apartments Three, out of Paul's three elevators? @ In his first year on the basketball team, Tim scored 196 points. In his second year, he won 95 points more than he did in his first year. In his third year, he won 33 points less than in his sophomore year. How many points did Tim score in his third year? HINP First find out how many points he won the second year.) @ In his first year on the football team, Bill chased with the ball 76 times for a total of 314 yards. In his sophomore year, his total was 68 fewer yards than his first year. In his third year, it was 127 yards more than the second year. How many yards did Bill rush in his third year? Amy's training to run a marathon. During five workout last week, she ran distances of 18 miles, 15 miles, 12 miles, 17 miles and 20 miles. How much greater is the combined distance from her five workouts than the marathon distance of 26 miles? @ Sue has chosen some new ski equipment to buy. Skis cost \$296, bars \$35, and boots \$180. However, one store offers a package price of \$375 for all three. How much money will Sue save by purchasing a package deal? @ 45 miles S 248 0 59 pounds @ \$136 @ 36 pounds @ 91 @ 373 yards @ 237 089 pounds @ 56 miles @ \$128 @ 71 @) 353 feet HIGH SCHOOL MATH WITH PIZZAZZI BOOK A ABOUT Creative Publications A-31 TOPIC 3-I: Troubleshooting: Mixed Apps Why Does the Library No Longer Add Fairy Tales? For each exercise, write the missing number blank. Then select an illustrated property. CIRCLE the letter in the corresponding column next to the sentence. At the bottom of the page, locate the box with the number you write in blank. Write the letter you circled in this box. commutative associative identity of zero asset assets THEME 4:Basic properties of multiplication of A-32 HIGH SCHOOL MATHEMATICS WITH PIZZAZZI BOOK A ABOUT Creative Publications What is the title of this image? DECODE THE TITLE OF THIS IMAGE: These equations illustrate distributive correctness. For each equation, fill in the missing number. Then find your answer in the coded title. Each time an answer appears, write the letter of the exercise above it. CODED TITLE: - - 631 33 7 - 5 20 11 5 12 71 11 12 14 74 -----33 11 8 74 35 4 74 25 29 5 9 3 Why did Ms Snorg throw vegetables in the air? Follow the instructions given for each section. Write the letter of each exercise in the box that contains its response. I. Use mental math to find the product. Below each exercise, show the order in which you have been multiplying. The first exercise is done as an example. II. Use mental mathematics to find a product. Under each exercise, show how the distributive property can be used for mental multiplying. The first exercise is done as an example. TOPIC 4-c: Mental Math: Using basic properties of A-34 HIGH SCHOOL MATH WITH PIZZAZZI BOOK A ABOUT Creative Publications 0 0 0 0 0 0 O^! CV 00 0 0 , 0 0 o&t; d-0 0 2 0 CV d-0 8 0 0 0 Y F 0 n O F T-00 00 00 @ . 2 0 0 m 0 0 0 , 0 0 0 . o g % @ 0 0 0 0 0 . . . a 0 L 2 q 0 . 0 0 0 0 m 0 0 0 0 0 Q c q - V X 0 0 ? b\$4 3% v . . C L L m a 3s fa 0 . - 5 0 0 pz c, \$5\$ 2 0 d 0 m x = 1 . - 0 x 0 q 0 0 F 00 -0 0 N z m x 0 , 0 0 m lC 0 0 0 0 0 b, 0 q CV c q 0 0 F X M 0 X 0 CV 0 0 0 0 0 0 0 0 -Na d 0 m c v m 0 0 0 0 3 with CV CU 0 0 . * I g y X 0 with 0 , 0 Z Sa t asb . with 0 0 0 , 0 % q e b q - 0 0 0 0 0 0 0 m 0 m . . o c\$1% 0 \$m N . 2 m 0 0 0 0 d m d9 s \$ @ @ \$ @ \$ @ 0 0 0 0 0 0 0 0 0 0 . . . 0 z o 0 8 x 0 m 0 0 0 0 0 0 0 x % ^ O a v . a 5 - . v 0 0 0 . . . o * x m 8 u x3 oo o g l m x . X X 0 g P 0 0 SF3 . E a X o n i \$O 0'00 . \$ @ @ ' d - - - f q m o - 0 0 0 0 0 0 - 0 8 g , q - @ 0 0 0 0 T - X 0 b X O e b 7 C 0 . 0 x N X q X 0 x 0 0 o b Y I - HIGH SCHOOL MATH WITH PIZZAZZI BOOK A ABOUT Creative Publications T 0 0 0 - 0 - 0 q&t; x 0 d 7 - 0 0 Am 35 o * d x 0 0 0 m - I * 0 0 X * o - 0 m x 0 m CO 0 0 0 X P 0 x 0 g m 0 m X m TEMA 4-A: Mental mathematics: Special products - ab350 5-0 or, 34.G CV F Ki- TOPIC 4-Product Assessment A-36 HIGH SCHOOL MATH WITH PIZZAZZI BOOK A O Creative Publications Q Mysteries of Love a Until each exercise below and find your answer in the box that contains set of exercises. Each time an answer appears, write the letter of the exercise above it. You're going to like that What did the boy's candle say to the girl with the candle? What did the rabbit boy say to the rabbit girl? @ There are 12 inches in the foot and 3 feet in the yard. How @ There are 16 ounces in a pint, 2 pints on the block, and 4 many inches are in 8 feet? neighborhood in a gallon. How many ounces is in the gallon? Do each exercise in the top block and find your answer in the bottom block. Move the word from the top box to the appropriate box below. Keep working and you'll get useful information. (9 x 9) @ - (15 - 8) (100-92) - (6 x 8) (49 x 6) - (37 x 5) - - 00 80 % 6 i E What is the title of this image? Do each exercise below and find your answer in the coded title. Each time an answer appears, write the letter of the exercise above it. C O D E D T I T L E : ----- ET. - 5 . 3 in Y 9, A 1 G 2, n 9, 4 9. @ If a computer printer can print 950 rows per minute, how many lines can a printer print in 5 minutes? @ The bell in the college tower rings 156 times every day. How many times does the bell ring in a week? @ Pat can type at an average speed of 185 words in 5 minutes. At this rate, how many words can Pat type in half an hour? What kind of car makes a line in the middle of the road disappear? Solve each problem and find your answer at the bottom of the page. Cross above each correct answer. When you're done, the answer to the cover question will remain--something the car you know! TOPIC 4-9: Troubleshooting: Mixed A-40 HIGH SCHOOL MATH APPS WITH PIZZAZZI BOOK ABOUT CREATIVE PUBLICATIONS DAFF ITION DECODER 1. Prize dog: 36,028 35,178 12,366 44,716 15,720 3,564 11,820 9,360 35,178 4,808 3,564 44,574 2. Mudpie: 47,800 3,564 47,800 3. Choose for climbers: DECODE THESE THREE DAFFNYITIONS: Do each exercise below and find your answer in the code. Each time an answer appears, write the letter of the exercise above it. @ Rock band made a concert tour 14 @ Tickets for the show cost \$8 for adults and \$5 for children. If 496 adult tickets and 168 children's tickets were sold, how much was spent on tickets in total? Cities: They traveled an average of 1,970 miles a week for six weeks. How far did they travel? Answer: HIGH SCHOOL MATH WITH PIZZAZZI BOOK A O Creative Publications miles answer. \$am41 TOPIC 4-h: Multiplication with 1-digit factor: Bigger products you've heard about. - - - - - Do every exercise and find your answer in the appropriate response column. Notice the word below the answer. Write this word in the box that contains the letter of the exercise. @ Answers A-H: 2,749 x 8 @ 5,668 x 6 @ 9,073 x 4 Answers 1-0 - - 238,190 SOME 8,386 DOING 8,386 DOING 1 0 -1-0127,688 When 488,457 FINALLY 34,008 ACTORS 582,082 62,262 DOWN 77,450 A 697,082 048 ROCKS 194,628 PART 52,935 FELL 25,910 TO PLAY 113,688 AND 8,696 IN 21,992 38,192 AT 1253,190 36,292 WHO 680,048 STAIRS 54,195 WANTED @ Sound travels about 1,087 meters per second when the temperature is 320F. At this rate, how far does the sound travel in eight seconds? Legs @ Space satellite made 3 orbits around the Earth in 5 hours. The satellite was traveling at an average speed of 15,490 miles per hour. How far did it travel? Miles @ A new car delivery truck weighs 9,350 pounds when empty. If the truck is loaded with 7 cars that each weigh 2,780 pounds, what is the total weight of the loaded trucks? TOPIC 4-h: Multiply by 1-digit factor: Larger products 563,082 GOT 79,150 THIS 449,457 THEM 28,810 CASH 184,928 FRIENDS 188,510 HIGH SCHOOL MATH WITH PIZZAZZI BOOK O creative publications Why did a cow jump up and down? Do each exercise and find your answer to the right one. Write the letter of the answer in the box that contains the exercise number. If the answer has @ , nuance in the box instead of writing a letter in it. @ Over the last 30 days, Bill has run 185 laps around the school run. If the track is 400 yards long, how long did Bill run? HIGH SCHOOL MATH WITH PIZZAZZI BOOK A O Creative Publications @ Judy swam 16 pool lengths @ 34,000m working backstroke. She then swam 32 lengths using freestyle. If the pool is 50 meters long, how long did Judy swim? A-43 @ 2,400 @ 749000 TOPIC 4: Multiples by multiples of 10,100 and 1,000 animal cracks Do each exercise below and find your answer in the code for that set of exercises. Each time an answer appears, write the letter of the exercise above it. - - - - -4,816 4,526 4,529 4,816 5,913 1,624 3,285 4,292 972 9724,048 6,110 1,343 513 4,816 - - - . 4,005 3,150 3,250 3,422 1,206 3,612 3,915 3,612 1,888 7,885 2,7481 3,705 2,891 4,005 4,400 @ 84 (93 - 50) @ The school purchased 45 band uniforms and 18 musical instruments. If the uniforms cost \$89 each, what was the total cost of the uniforms? What's going on with the old trucks? Do each exercise below. Draw a straight line that connects the square with an exercise to the square with your answer. The line will cross the number and letter. Write the letter in the appropriate numeric box at the bottom of the page. HIGH SCHOOL MATH WITH PIZZAZZI BOOK A ABOUT Creative Publications A-45 THEME 4-j: Multiplication with double-digit book factor NEVER WRITTEN The Great Diamond Heist for 8,350 50,991 36 100848 2,223 3,666 13,950 6,228 14,550 23,199 37,199926 23,325 Cuning Rifle Shooting by 14,550 7,154 28,368 10,332 3,856 28,36837,926 37,248 3,666 5,376 6,228 31,434 ARE ABOVE THE TITLES OF TWO BOOKS NEVER WRITTEN. DECODE THE NAMES OF YOUR AUTHORS: Do each exercise and find your answer in the code. Each time an answer appears, write the letter of the exercise above it. @ The television show was produced for 3 @ Bizare High School bought 15 computers and 6 printers. If each computer cost \$790 and each printer \$450, what was the total cost of the new equipment? Years. Every year, 26 episodes were filmed. Each episode lasted 47 minutes. How long would it take to watch all the episodes of that TV show? min TEMA 4-j: Multiples by double-digit factor \$A-46 MIDDLE. E SCHOOL MATH WITH PIZZAZZI BOOK ABOUT Creative Publications O Hidden Message nu o \$c\$ p2 CT 0 0 E 5-2 21 3 e D b-I do each exercise and find your answers in the rectangle below. Correct answers are led from left to right. Shade in boxes containing every correct answer. When you're done, there'll be 28 boxes that aren't shaded. Write letters from these 28 boxes into spaces at the bottom of the page. A hidden message will appear! @ 7,354 x 69 @ 9,007 x 53 @ 50x60 -24 @ The Parliament Building in Victoria, British Columbia, is lit using 3,270 bulbs. If each bulb is 75 watts, how much electricity is needed? watts @ (100x100)-(99x99) @ Motion image at normal speed captures 24 images per second. How many pictures in a 90-minute movie? (1 min = 60 sec) How D about Clocks communicate? Do each exercise below. Find your answer in the reply column and notice the letter next to it. Look for this letter in a string of letters at the bottom of the page and cross it out every time it appears. When you're done, write the remaining letters in the rectangle at the bottom of the page. 7,004 x 704 5x51 x50 The image on the computer monitor consists of many small dots of light. A screen with a diagonal measure of 12 inches can have 200 rows of dots with 320 dots in each row. How many dots is this? 0 8 letter k often means 9 kilo, which means 1,000. In computational terms, however, k stands at 1,024. If your computer has 256K of memory, there is room for 256 x 1,024 bytes of information. How many bytes is this? W N O S T E R D I S F G C M U K S T O P A B D E L N M V V H PUZZLE ANSWER: THEME 4-k: Multiples by 3-digit factor A-48 HIGH SCHOOL MATH WITH PIZZAZZI BOOK A About Creative Publications How did Captain Hook get hurt? Do each exercise and find your answer in a set of answers to your right. Write the letter of the exercise in the box containing the number of replies. I wrote by exponent. @3 @4 -3 -3 x 0 0 0 7 -7 x 7 4 -4 -4 410x10x10x10 @9X @9 @3 @104 and @34 @105 @ 173 @ 47 @ 46 @45 @ 9 @ 37 @8 @ 729 11 4x4x4x4x4x4x411. Write product. @ 4' @23 0 4 @ 63 @56 @q3 @ 7' @53 1 0 1 6 04,096 1 a 3 1 I I @ 49 @10,000 1 0 @ 25 1 2 - @ 84 @107 1 1 @ 125 @ 14 725 @ 15 @ 1,000,000 1 j @ 216 @ 10,000,000 1 I, write as power 10. @ 9 V. Solve the equation. HIGH SCHOOL MATH WITH PIZZAZZI BOOK A ABOUT Creative Publications A-49 THEME 4-l: Exponents on Do stores sell most of their tanning oil? Decide whether you would choose mental math, assessment or tool (paper and pencil or calculator) to solve each problem. CIRCLE the letter in the corresponding column next to the problem. Then solve the problem. Find the answer at the bottom of the page and write the letter you circled below it. Choose: Prime Jr. High's mental math, assessment, or tool has 41 classrooms. Each classroom has 38 desks. How many desks are there at school? 2 Prime Jr. High buys pens for sale at the school store. The pens are in the box, and there are 24 boxes in the box. How are the three boxes? The school bought 40 new electronic typewriters for its typing classes. If each typewriter cost \$500, what was the total cost of typewriters? 4 PTA at Prime Jr. High sponsored the book sale. The book company brought in 2,837 paper books and 694 hardcover books for sale. If 1,472 books were sold, how many books didn't sell? L E S 5 This year 688 people ca-meto Main Halloween carnival. They bought an average of 21 tickets for the game per person. How many tickets have been sold? H D F 6 Prime Jr. High had a campaign to raise \$10,000 for new computers. The local bank gave \$3,000. The PTA raised \$2,000 from parents and students. How much more money has to be raised to reach the \$10,000 target? About A 5 7 Every day, Michelle attends seven different classes. Every hour is 50 minutes long. It also has a 10-minute home room course. How many minutes does Michelle spend in class every day? W L P 8 Students at Prime Jr. High school use an average of 6 different textbooks. If there are 914 students in school, how many textbooks are fully used? E A O 9 Last year, Scott went to school for six hours a day for 180 days. He is watched an average of 23 hours of TV each week for 52 weeks. How many more hours did Scott spend watching TV than he did at school? P M P THEME 4-m: Troubleshooting: Choosing the Am50 calculation method with HIGH SCHOOL MATH WITH PIZZAZZI BOOK A O Creative Publications CHAIN CODE It's called CHAIN EXERCISES. Take steps to make left to right for each exercise. Find your iri code answer at the bottom of the page. Every time an answer appears, print a letter from the end of that exercise above it. (HINT Look for steps you can do mentally.) I take 69 (g&t;Multiply by 94 1&t;g; multiply by 10 8&t;Subtrate 2,760 1&t;g; subtract 5,581 subtractions 5,581 subtractions 673 1 - 0 v 1 &t; v g&t; v s in b a r t c 3 1 1, 9 1&t; 7&t; 1 multiply by 59 a d i t title: CASH STASH HIGH SCHOOL MATH WITH PIZZAZZI BOOK A GI Creative Publications Am51 TOPIC 4-n: Review: Adding, Subtracting, Multiplying CRYPTOITPIC 94.1. What happened when Tarzan called the king of the jungle? @ 1 7 3 ---- 17 16 13 --1 5 14 --12 9 14 2 2. Who did Smedley Jolt ask to help him cook the burgers? Do each exercise below. Find your response in the appropriate reply column and notice the letter next to it. Every time an exercise number appears in the code, write this letter above it. Answers 1-8 @ 82,905 @ 164,400 @ 65,408 @ 1,650 @ 13,355 @ 27,511 @ 332,958 @ 5,716 @ 65,746 @ 8,230 @ 4,567 @ 13,947 @ 193,400 @ 10,000 (8x5-54) @ (1 00 x 27) @ (1 00 x 693) Answer 9-11 7 09,630 @ 339,416 01,771 @ 678 @ 1,800 @ 7,840 @83,505 @ 1,851 @ 63,908 0350,958 @ 5,106 @ 538 @ 317,482 @ 344,516 @ 320,582 @ Gyro bought the car at a price of \$7,589.He agreed to TOPIC 4-n: Overview: Appendix. Subtraction, Multiplication pays \$260 per month for 36 months. How much more than the actual price will Gyro pay? A-52 HIGH SCHOOL MATH WITH PIZZAZZI BOOK ABOUT Creative Publications What trick can any horse do? Do each exercise and find your answer in the rectangle below. Cross out the box that contains your response. When you're done, write the letters from the remaining boxes into the spaces at the bottom of the page. The United States has about 1,800 daily newspapers, 8,400 weekly newspapers and 550 mid-week newspapers. How many is that completely? The Sunday Times had 14 sections with an average of 16 pages per section. How many pages were in the paper? 3 4 5 Daily Planet Chart on the right shows the daily planet's circulation over the past week. A. How many copies were sold over the weekend (Saturday and Sunday)? B. How many more copies have been sold in than on a day with the highest circulation? C. Round each figure to the nearest 1,000. Then add to estimate the total circulation for a week. Published Monday Tuesday Wednesday Thursday Friday Saturday 8,841 7,440 8,229 9,969 9,075 9,913 14,507 Offset press can print about 270 sheets of paper per minute. Each sheet is cut to make 8 news pages. How many news pages can be printed in one hour? A Daily Planet subscription costs \$19 per month to deliver every day, or \$15 per month for delivery every day except Sunday. How much does it cost to receive a newspaper every day for a year? 6 Express Press delivers 374 newspapers every day from Monday to Saturday. He's bringing in 890 papers on Sunday. How many newspapers does the Express Press bring in a week? 7 For a half-price ad, the newspaper charges \$965 for each day Monday through Saturday and \$1,270 for Sunday. How much does it cost to run a half-page ad in a week? 8 For classified advertising, newspapers charge \$11 per line for each day from Monday to Saturday and \$15 per line for Sunday. How much does it cost to run ads with 6 lines for one week? 9 The daily press circulation in the United States averages about 300 copies for every 1,000 people. At this rate, how many newspapers would be sold in a city of 50,000 people? JU SI MP THERE NOT RN AS CA LL 834 129,600 94,600 15,000 17,000 224 3,239 57,060 HIGH SCHOOL MATHS WITH PIZZAZZI BOOK A O Creative P--blications Am53 TOPIC 4-o: Problem solving: Mixed applications Why did mama fleas look so sad? Do each exercise mentally and find your answer in the appropriate set of response boxes. Write the letter of the exercise in the box that contains the answer. 0 0 0 0 0 a n c n 0 0 0 CD CD 0 . . a L 0 g 0 0 0 w c m \$ @ \$ 00 0 0 . . 0 m 0 0 . 2 0 CD 00 0 0 0 0 (300 .cn . 2 0 0 CD 0 0 0 0 g d - 00 \$ @ @ 0 0 0 0 1.0 m 0 0 0 A 0 0 1.0 0 0 0 2 8 ; c a t 0 0 0 0 c c 0 0 C V l 0 q d-m a b a 0 -j 0 7 0 0 0 0 0 m 0 0 0 b 0 b 0 CD m 0-d m 0 0 . . 2 a 0 3 L L L l'ig 5s =- 0 . -or, C. *! 0 *! * V) -! n -7 0 0 5 : -d 0 0 0 d - n 1 0 C CD 0 0 0 0 0 0 0 0 b 0 0 0 2 a 0 . I . *! 00 *! . I . 0 b 0 0 0 0 0 0 * 10 - 0 - 0 0 q c 0 c w HIGH SCHOOL MATH WITH PIZZAZZI BOOK A ABOUT Creative Publications in a 3 0 0 0 1 - 1 . *! *! 0 0 0 0 0 0 m 0 w 0 -V d b CD 0 b 0 0 0 0 a 1 . 0 0 0 7 ? y Q O 7 m \$ @ @ C Y) A 5 V L O 3 0 * m 0 0 0 C v o 0 . . . 3 b . a 0 b 7 0 0 0 0 m c Q \$00 300 0 0 *! q 0 0 o d - . . r . a . I . a 0 0 0 O @ @ @ @ . C . 8% cu -! -c -o g -d - ! a -V *!) 0 1 0 -0 8 1 ? c 0 0 0 0 5 8 .! ? c a 0 0 3 0 0 CD CD -d m I. TEMA 5-b: Mental mathematics: Special quotations What did the workers at the Raisin Factory want to keep some raisins to themselves? Choose the best replacement for the dividend so that the basic fact can be used to estimate. Then write your replacement letter in the box above the estimate at the bottom of the page. What can you learn from the centipede? 1. Circle the dealer to its largest place. 2. Change the dividend to a number that is easily divided by a rounded dealer. 3. Divide to estimate the quotient. Use the procedure above to rewrite each exercise and assess the quotient. Find your assessment at the bottom of the page. Write the letter of the exercise above it. (The first exercise was done for you.) @ It's 318 miles from Los Angeles to Yosemite National Park. At an average speed of 41 miles per hour, how many hours does it take to drive at this distance? @ Kathy makes \$26,190 a year as a designer. About how much -h to earn y per week? (1 year = 52 weeks) @ While running, Trix Smile shook hands with 52,270 hands and kissed 3,509 babies. If his campaign lasted 88 days, estimate the average number of babies kissing each day. Why does it take a baseball player so long to run from second to third base? ANSWER LEFT Do each exercise and find your answer in the appropriate answer section. Write the letter of the exercise in the box containing the number of replies. Answer on the right If the sun were famous, where would it go? Do each exercise and find your answer in the response columns. Write the letter of the answer in the box that contains the exercise number. If the answer has, nuance in the box instead of writing a letter in it. 0 @ 146+4 @ 684+7 @ The Rockem Band earned \$390 for the performance. If six band members split the money equally, how much does each get? @ 65+2 @ Miles Tugo drove 450 miles from Buffalo to New York. It took him nine hours. What was his average speed? @ 47 @ 36 R2 @ 49 @ 97 R5 @ 34 R1 65 @ 32 R1 @ 97 R1 @ 67 @ TOPIC 5-d: Sharing with 1-digit dealer MIDDLE. E SCHOOL MATH WITH PIZZAZZI BOOK ON Creative Publications DmFYNTION DECODER 1. Campaign, 2nd Royalty. Answers 1-3: DECODE THESE TWO DAFFNYITIONS: Do every exercise below. Find your answer in the appropriate reply column and notice the letter next to it. Write these letters in two boxes above the practice number at the bottom of the page. Answers 9-1 7: Answers 1-8 7: Answers 1-3: DECODE THESE TWO DAFFNYITIONS: Do every exercise below. Find your answer in the appropriate reply column and notice the letter next to it. Every time an exercise number appears in the code, write this letter above it. @ 660 R2 @ 107 @ 805 R2 @ 930 @ 90 R1 @ 509 R2 @ 102 R2 @ 940 R2 @ Dishes packed 8 per box. How many boxes does it take for 400 dishes? @ Each dragon requires 2 sticks. How many sticks do you need for 750 dragons? @ Divided is 8,150. On October 9th, the dealer 1895-1995 found the quotient 1. Answers 10-1 8: 1 Mathematics Without Computing Use quotients in the box above to answer the following questions: - 1 Scott has 100 brands put in a 1-b m -n . puts 8 stamps on each page. A. How many pages will be fully populated? B. How many stamps will remain for unfilled pages? C. How many pages will be fully used? 2 A group of 20 friends are going camping. They'll sleep in tents with three people in them. A. How much will B. How many people are going to stay in a tent that's not full? C. How many tents will it take, an altogether? 3,739 students and teachers at Merry High School are going on a field trip. Each bus has 50 passengers. A. How many buses will there be? 6. How many people will be left for a bus that is not full? 7. How many buses will it take at all? 4 Hugo made 100 ounces of lemonade. How many amp;ounces can a glass fully fill with this amount of lemonade? 6 7 B Coach needs 20 tennis balls for the tournament. If tennis balls are sold in cameras containing 3 balls, how many cans should a coach buy? Maria has \$20 to rent video movies. If it costs \$3 to rent each movie, how many movies can it rent? 9 The teacher needs 739 sheets of paper for the class project. Paper is sold in packs of 50 sheets each. How many packages does a teacher need to buy? The orchard has 739 apple trees for planting. If 50 trees are planted in each row, how many are left after the last complete row is planted? A total of 100 children applied to play football in the park. Each team has 8 players. Additional players are replacements. How many replacements are there? TOPIC 5-f: Problem solving: The meaning of the Am6 High School MKRH WITH PIZZAZZI BOOK ABOUT Creative Publications Maze Phrase Do every exercise and find your answers in the maze. SHADE in any room that contains the correct answer. Then find a way to the treasure that passes only through the rooms where you have not overshadowed. The words in those rooms will form a message! @ 4,430 + 6 @ 16,298 5 @ 8,869 + 3 @ 22,540 8 @ 4,765 7 @ 2,854 7 @ 27,962 4 @ 76,992 1 2 @ 87,13718 1 1 1 -1 @ 45,747 9 @ 28,560 + 6 25,217 +3 @ The school district received support @ The Schmalz Band purchased an amplifier 1-10 \$6,840. The money is divided equally among the district's 7 elementary schools and 2 high schools. How much did each school get? 38,481 DOUGH m for \$1,260 and two speakers at \$375 each. If 5 band members split the total cost equally, how much will each pay? m MILD 6,990 R2 LEAKS = 8,405 R2 \$752 6,109 R2 \$690 + 10,874 =COSTA -LTK -NOW S O LNRP,OVE 38,496 T O m 8, 426 = ENTERTAINMENT - \$760 Y I \$4,224 R 4 C, 2,57 R4 10,892 R1 AND T H 736 R4 D HOT 4 2, 817 R4 HIGH SCHOOL MKRH WITH PIZZAZZI BOOK A ABOUT Creative Publications 1, 784 A 10,885 T 1p AND 5,064 ONI 2,824 3,259 R3 738 R2 D L L L A R S A R S - O F T E N 9 KING 2,949 P ENTER A-83 TOPIC 5-9:Dividing by a 1-Digit Divisor: Larger Quotients How Are Canvas Sheets Attached to Ships? Do each exercise and find your answer in the rectangle below. Cross out the box that contains your response. When you're done, write the letters from the remaining boxes into the spaces at the bottom of the page. @ Deke, Zeke, and Geke each bowled three games. A. What was Deke's average score? B. What was Zeke's average score? C. What was Geke's average score? Name Game 1 Game2 Game3 Deke Zeke 126 109 127 153 82 138 135 97 155 @ In 8 football plays, Grunge Helmet had gains of 5 yards, 12 yards, 7 yards, 3 yards, 4 yards, 15 yards and 2 yards. What was his average win per game? @ The results of 4 students on 5 different tests are given in the table. Find the following: A. Average of Samic's results. Test Test B. Average test's scores. 3 1 2 4 5 Name C. Average kiman scores. Sam 84 93 91 75 82 D. Average scores Teri 65 87 74 80 74 on Test 1. Andy 94 78 87 71 100 E. Average scores Kim 79 86 100 94 91 on Test 4. @ Zorna ran 6 laps around the 440-yard track. Her lap time was 89 seconds, 93 seconds, 97 seconds, 102 seconds, 95 seconds and 88 seconds. Find the following: A. Average time for the first 3 laps. 6. Average time for the last 3 laps. C. Average time for all six laps. @ Seller for Tickle Toys travels to 4 different countries. In nine weeks, he traveled a total of 18,846 miles. Find the average number of kilometers kilometres per week. @ Elmo Buckets has played in seven basketball games. In total, he scored 98 field goals (2 points each) and 13 free throws (1 point each). Find the average number of points Elmo scored per game. @ Racquet World sells an average of 45 tennis rackets per month. At this rate, how many rackets sell in one year? TOPIC 5-: Finding an average of A-64 HIGH SCHOOL MATH WITH PIZZAZZI BOOK ABOUT Creative Publications What's wrong with miners looking for gold? Do each exercise below. Find your answer in the appropriate reply column and notice two letters next to it. Write these letters in two boxes above the practice number at the bottom of the page. Answers 9-1 7: Answers 1-8 7: Answers 1-3: DECODE THESE TWO DAFFNYITIONS: Do every exercise below. Find your answer in the appropriate reply column and notice the letter next to it. 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