



Guess and Check

TAKS Objectives 1, 2, 6
TEKS 5.14B, 5.14C, 5.3D, 5.5B

Guess and check to solve each problem. Remember to organize your guesses in a table.

- 1.** Lewis has \$67. He has only \$10, \$5, and \$1 bills and has a total of 10 bills. The number that he has of each bill is a prime number. How many of each type of bill does Lewis have?

- 3.** There are 53 students in the band. All of the students are in the fourth, fifth, or sixth grade. The number of fifth graders is twice the number of sixth graders. The number of fourth-grade students is a prime number that is less than the number of fifth-grade students, but greater than the number of sixth-grade students. How many students from each grade are in the band?

- 5.** To pay for a printer that cost \$280, Ms. Egan gave the cashier 21 bills that were all either \$20, \$10, or \$5 bills. The number of \$20 bills was four times the number of \$5 bills. The number of \$10 bills is a prime number. How many of each bill did Ms. Egan pay the cashier?

- 2.** Carmella has a total of 16 red, green, or blue pencils. The number of green pencils is 4 times the number of blue pencils. The number of red pencils has factors of 2 and 3. How many of each type of pencil does Carmella have?

- 4.** At a sports tournament, Johnson Elementary won 69 medals altogether. The number of gold medals won is twice the number of bronze medals won. The number of silver medals is less than the total of other medals won and has factors of 5 and 6. How many of each type of medal did Johnson Elementary win?

- 6.** A spinner has 72 equal sections that are yellow, orange, or green. The number of orange sections is twice the number of green sections. The number of yellow sections has factors of 2 and 7. The number of sections for each color is a composite number. How many sections of each color does the spinner have?
