

# Using a Spreadsheet

Use a spreadsheet program or your calculator to complete the page.



- ① Jenna has a large jar full of pennies, nickels, and dimes. She has 100 coins. She has 20 more nickels than pennies and half as many dimes as nickels. Enter formulas in the spreadsheet to calculate the number of coins and their value.

	A	B	C	D
1	Pennies	Nickels	Dimes	Total
2	Test Number	$= A2 + 20$	$= 0.5 * B2$	$= A2 + B2 + C2$

- a. Coins: 28 pennies, 48 nickels, 24 dimes
- b. Value of coins: \$5.08

- ② To solve Problem 1a, why might you start with an even number of pennies?

Sample answer: Because you will be dividing by 2 for the number of dimes, which only come in whole quantities.

- ③ What formula would you use to find the total value of the coins?

$= 0.01 * A2 + 0.05 * B2 + 0.1 * C2$

- ④ Use formulas to find the greatest four consecutive numbers whose sum is less than 1,000.

248, 249, 250, 251

	A	B	C	D	E
1	1st Number	2nd Number	3rd Number	4th Number	Sum
2	Test Number	$= A2 + 1$	$= B2 + 1$	$= C2 + 1$	$= A2 + B2 + C2 + D2$

## Practice Divide.

- ⑤  $\frac{7}{8} \div \frac{1}{8} =$  7      ⑥  $2\frac{1}{4} \div \frac{7}{8} =$   $\frac{18}{7}$       ⑦  $\frac{5}{9}$   $= 1\frac{2}{3} \div 3$