

Part Three

Using Practice Worksheets and Quizzes

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Chapter Four

Practice Worksheets

Practice worksheets from this book can be integrated into your existing curriculum in order to maximize the thematic approach to mathematics that the game provides. For example, if students are learning how to round decimals, you can use the corresponding worksheet in this text, in which students round the decimal equivalents for the points earned by their players. Consequently, students will be presented with opportunities to reinforce math concepts that tie in with the game. This approach will help students to make connections between math in school and math in the real world.

Each week, one or more worksheets may be integrated into your math lessons. Some worksheets (for example, Practice Worksheet 40: Mean, Median, Mode, Range) can be used for several weeks because students perform operations based on the points earned by their players for a given week. Other worksheets are used to compute cumulative points earned for the first few weeks of the season. These worksheets have a cumulative effect because students receive multiple exposures to the same material on a weekly basis. As the season progresses, students may work on several worksheets each week. Multiple exposures to content also facilitates mastery. For these reasons, it is highly recommended that students also participate in the graphing activities, for weekly exposures to circle, stacked-bar, and multiple-line graphs will help them to comprehend the material.

Students can also create their own worksheets based on their team's performance. For instance, if students are learning how to add and subtract fractions, they can write problems based on the points earned by their players—for example, "If player A earned three-eighths and player B earned four-fifths, how many total points did they earn?"

Name _____



PRACTICE WORKSHEET 1

Rounding Whole Numbers and Expanded Notation

1. Round the following player salaries to the units given. The first line gives an example.

Salary	Nearest \$10,000	Nearest \$100,000	Nearest \$1,000,000
\$22,200,350	22,200,000	22,200,000	22,000,000

\$ 3,444,505

\$ 9,800,800

\$ 5,555,555

\$12,000,825

2. Use expanded notation to represent the following player salaries. The first line gives an example.

Salary

\$ 6,675,500 = 6,000,000 + 600,000 + 70,000 + 5,000 + 500

\$16,222,900

\$ 1,775,050

\$14,129,034

\$11,746,632

\$13,999,999

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PRACTICE WORKSHEET 2

Least Common Multiple and Greatest Common Factor

The number of goals and fouls for five players during the first half of the season are listed below. Find the least common multiple and greatest common factor for each pair of numbers. The first line gives an example.

<i>Player</i>	<i>Goals and Fouls</i>	<i>Least Common Multiple</i>	<i>Greatest Common Factor</i>
Player A	11, 44	44	11
Player B	24, 36		
Player C	16, 40		
Player D	14, 35		
Player E	8, 20		

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PRACTICE WORKSHEET 3

Operations with Whole Numbers

1. What is the difference between the highest and lowest salary for the players listed below?

Isabella Garcia	\$27,800,000
Hannah Thompson	\$16,555,935
Kalisha Jackson	\$25,675,225
Maria Giuseppe	\$38,000,810
Heng Huang	\$ 3,300,900

2. What is the total cost of the players listed in question 1?
3. What is the average salary of the players listed in question 1 to the nearest dollar?
4. If Emilio Martinez had 165 saves in 15 games, how many saves did he average per game?
5. If 13 soccer players each have a salary of \$2.75 million, what is the sum of their salaries?

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PRACTICE WORKSHEET 4

Equivalent Fractions

The weekly points earned by players on the Panthers are listed below. List the first three equivalent fractions for each. The first line gives an example.

Yi Chen	$\frac{5}{6}$	$\frac{10}{12}$	$\frac{15}{18}$	$\frac{20}{24}$
Jorge Sadon	$\frac{3}{5}$	_____	_____	_____
Ming Ho	$\frac{7}{24}$	_____	_____	_____
Brian Moor	$\frac{7}{8}$	_____	_____	_____
Denzel Plates	$\frac{7}{12}$	_____	_____	_____
Pedro Garcia	$\frac{2}{3}$	_____	_____	_____
Livan Slevin	$\frac{3}{4}$	_____	_____	_____

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