

Dear Parents,

Here is what your child is learning in Grade 5, Unit 3 along with some specific ways you can help. Look for additional newsletters for upcoming units.

## NUMBER RELATIONSHIPS AND COMPUTATION

Students need to:

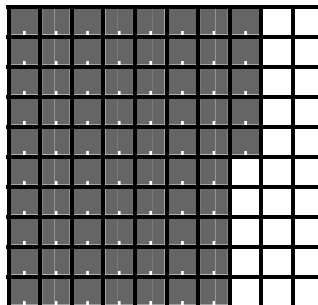
- Compute with whole numbers.
- Translate among fractions, decimals, and percents.
- Compare and order decimals to the thousandths place.
- Solve problems with fractions, decimals, and percents using a variety of strategies.

Examples:

1. a. Divide  $15 \overline{)5085}$       b. Multiply  $4,625 \times 74$

Sample responses: a. 339      b. 342,250

2. The grid represents one whole unit. What fraction does the shaded part of the grid represent? Write the equivalent decimal and percent.



Sample response:  $\frac{3}{4}$ , 0.75, 75%

3. Here are the distances that the top long jump competitors jumped in a meet.

7.8 meters    7.095 meters    7.79 meters    7.85 meters

Write the distances in order from shortest to longest.

Sample response: 7.095      7.79      7.8      7.85

4. Jeremy has a box of candy. One fourth of the candy is chocolate. What percent of the box of candy is chocolate? Use what you know about fractions and percents to explain how you determined your answer. Use words, pictures, or numbers in your explanation.

Sample response: 25% of the candy is chocolate.  $\frac{1}{4} = \frac{25}{100} = 25\%$ .

## WAYS PARENTS CAN HELP

Here are some activities you and your child can do together:

- Play board games like *Yahtzee*, *Kismet*, *Monopoly*, and *Scrabble* that involve whole number computation.
- At the grocery store, weigh an item that is sold by weight and estimate the total cost for the item.



- List the prices of five items on a grocery receipt in order from least to greatest. List the prices of five other items from greatest to least.
- Practice doubling or tripling the amount of ingredients needed for favorite recipes that have fractional measures.
- Measure five items to the nearest  $\frac{1}{8}$  inch. Organize the lengths from longest to shortest.
- Read ads and estimate how much an item would cost if it is on sale for 10%, 25%, or 50% off.

For additional activities, visit [www.ed.gov/pubs/parents/Math](http://www.ed.gov/pubs/parents/Math)