

Indicators

Objective:

1.04 Develop fluency in addition, subtraction, multiplication, and division of nonnegative rational numbers.

- a) Analyze computational strategies.
- b) Describe the effect of operations on size.
- c) Estimate the results of computations.
- d) Judge the reasonableness of solutions.

Vocabulary and Resources		
decimals	least common multiple (LCM)	difference
fractions	greatest common factor (GCF)	product
numerator	like/unlike	quotient
denominator	denominators	inverse operation
improper fractions	common denominator	multiplicative inverse
simplify fractions	least common denominator	rounding
factors	mixed number	benchmark numbers
products	sum	

A. At Deli Extravaganza, salads are \$0.21 per ounce and an empty plate weighs three ounces. What is the cost of the salad if the scale reads 1.25 pounds?

B. Ground beef is on sale for \$1.89 per pound. Kelly has found a package that weights 1.25 pounds. If Kelly has \$2.00, does she have enough money to purchase this package of ground beef?

C. Roberto works for two hours. Lee works $2\frac{3}{4}$ times as long as Roberto. Jack works $1\frac{1}{4}$ hours less than Jedd. Jedd works $2\frac{1}{2}$ times as long as Lee. How long does each person work?

D. The following table gives the number of hours Dylan worked and the amount of money he earned each day.

Day	Hours (H)	Earnings (E)
Monday	2	\$13.30
Tuesday	$3\frac{2}{3}$	\$24.38
Wednesday	$1\frac{1}{5}$	
Thursday	3	\$19.95
Friday		\$43.23

- What is Dylan's hourly wage?
- Write an equation that can be used to determine his earnings.
- How much did Dylan earn on Wednesday?
- How many hours did Dylan work on Friday?
- What are Dylan's total earnings for the week?

E. I have three brothers who really love pizza and have eaten some of the pizza I ordered for a friend and myself. One ate one-fifth of the pizza, one ate one-fourth of the pizza, and the other ate one-eighth of the pizza. How much pizza remains? Is there at least half of the pizza left?

F. At the deli counter, Mr. Jones asks for $1\frac{3}{4}$ pounds of sliced ham.

The clerk says, "Twenty ounces, OK?" What should you reply? Explain

G. Jake has five pieces of wood that are each 12 feet long. He plans to make two bookcases and each bookcase will have six shelves of length 57 inches. Jake claims he has enough wood for the shelves. Do you agree or disagree? Explain.