

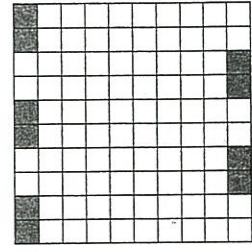
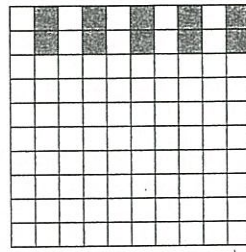
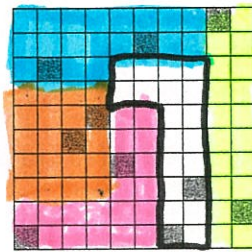


### Activity 3: 10%—Yes or No?

1. Do two out of twenty, or  $\frac{2}{20}$ , equal 10%? Why?

2. Examine the following grids and choose one of them.

a. Where do you see  $\frac{2}{20}$  on your grid?



b. Where do you see 10% on your grid?

3. (Optional) On a calculator, demonstrate step by step the operations that show how  $\frac{2}{20} = 10\%$ .



## Practice: Controlling Costs for Seniors

1. A group of tenants wants to control rent increases. They say a yearly rent increase of 10% is too much. For each situation, circle the answer that correctly describes a 10% rent increase for the tenants.
  - a. Aunt Eva's elderly housing costs \$80 per month. A 10% rent increase would be
    - (1) More than \$10.
    - (2) Less than \$10.
    - (3) Equal to \$10.
  - b. A 10% increase in Monique's rent of \$450 each month means she would pay
    - (1) More than \$500 per month.
    - (2) Less than \$500 per month.
    - (3) Exactly \$500 per month.
  - c. A 10% increase in Señora Perez' rent of \$800 each month means her rent would be
    - (1) More than \$880.
    - (2) Less than \$880.
    - (3) Equal to \$880.
  - d. Ten percent of the Davis' rent of \$625 per month is
    - (1) More than \$60.
    - (2) Less than \$60.
    - (3) Equal to \$60.
2. A grocery store offers a standard 10% discount for seniors on Wednesdays.
  - a. Last Wednesday, Leona's grocery bill before the discount was \$72.50. The amount she saved with her senior card was
    - (1) More than \$10.
    - (2) Less than \$10.
    - (3) Equal to \$10.
  - b. Leona's total spent for groceries on Saturday was \$22.00. If she had waited until Wednesday to shop, she could have saved
    - (1) Less than \$1.00.
    - (2) Between \$1.00 and \$3.00.
    - (3) More than \$3.00.



## Practice: Money Down

Most banks ask homebuyers to make a down payment of at least 10% of the price of a home when they are taking out a mortgage loan.

1. With a 10% down payment, what price home is each of these families planning on buying?

Family Name	Down Payment of 10%	Home Price
a. Piña	\$ 5,000	
b. Kelly	\$10,000	
c. Dill	\$12,000	

2. Five people in Vernon bought used cars on Valentine's Day. Each person paid 10% in cash and financed the balance. Fill in the missing information on the following chart.

Person	Total Cost	Down Payment of 10%	Balance
a. Ella	\$ 650		
b. Irv	\$3,300		
c. Bella		\$190	
d. Burt		\$ 75	
e. Lou			\$450



## Practice: Drugstore Markups and Markdowns

1. Price adjustments were made at a drugstore. Some items were marked up 10%; others got a 10% markdown. Fill in the chart with the new prices, **rounding** the numbers.

Item	Original Price	Price Change	New Price
a. Gift cards	\$1.00	10% markup	
b. Film	\$5.00	10% markdown	
c. Soap (travel size)	\$0.50	10% markdown	
d. Shampoo	\$2.09	10% markup	
e. Mouthwash	\$2.99	10% markup	
f. Toothbrush	\$3.10	10% markup	
g. Dental floss	\$3.99	10% markdown	
h. Bandages	\$3.95	10% markup	

2. Cam presented her coupon for 10% off all purchases to the cashier. The cashier totaled her purchases and took off 10%. Cam was not happy and asked for 10% off *each* item. The cashier explained the final total would be the same amount whether she figured it with either method. Who is right? Show how you know.

Aspirin	\$ 3.50
Cold cure	\$ 4.99
Instant soup	\$ 1.25
Batteries	\$ 6.00