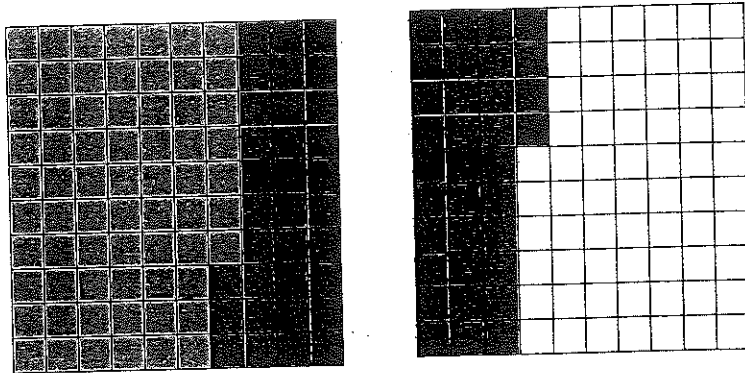


Name \_\_\_\_\_

1. What is the product of <sup>0.9</sup>~~0.7~~ and 3.5?
- 3.15
  - 0.315
  - 31.5
  - 3.015

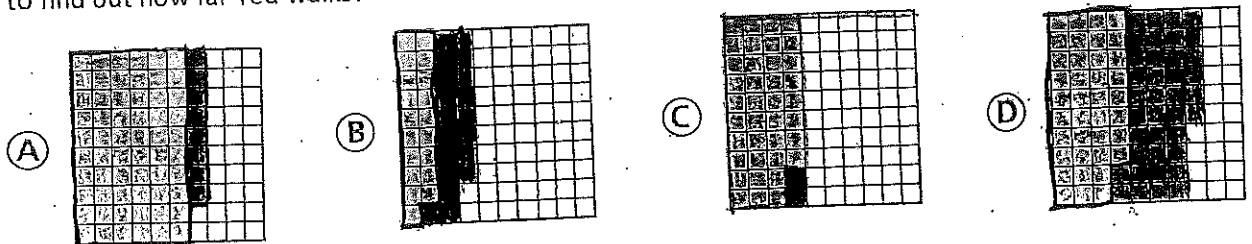
2. Study the multiplication model below:



What multiplication problem could this model be representing?

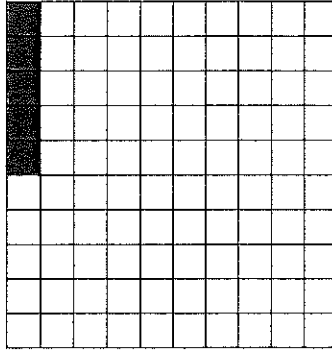
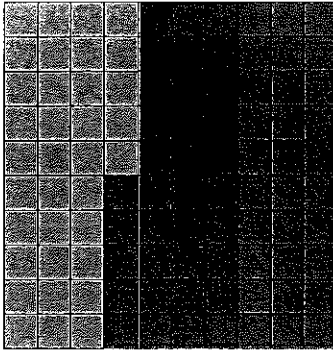
3. Jennifer used the distributive property to find the product of 6 and 0.82. Which shows the distributive property?
- $(6 \times 0.08) + (6 \times 0.02)$
  - $(6 \times 0.8) + (6 \times 0.02)$
  - $(6 \times 0) + (6 \times 0.82)$
  - $(6 \times 8) + (6 \times 2)$

4. A path around the lake is 0.38 mile long. Ted walks the path 2 times. Which model can be used to find out how far Ted walks?



5. Which expression uses expanded form of the factors to rewrite  $35 \times 0.18$ ?
- $(30 + 5) \times (1 + 0.8)$
  - $(30 + 5) \times (0.1 + 0.08)$
  - $(30 + 5) \times (0.1 + 0.8)$
  - $(3 + 5) \times (0.1 + 0.08)$

6. Which multiplication problem can be used to solve the picture below:



- a.  $4 \times 0.35 = 1.4$   
b.  $0.3 \times 45 = 13.5$   
c.  $0.3 \times 0.45 = 1.35$   
d.  $3 \times 0.35 = 1.05$
7. Wendy's puppy weighs 5.273 ounces. What is 5.273 rounded to the nearest tenth?
8. Mrs. Still had a starting balance of \$693.45 in her bank account. How much money did Mrs. Still have left after she spent \$81.56 at the grocery store?
9. What is a good estimate of  $2.8 \times 1.2$ ?
10. Which is a prime number?  
a. 27  
b. 81  
c. 39  
d. 89

11. According to Gina's rain gauge, 2.8 inches of rain fell each day for 3 days, as shown.

Which method could Gina use to calculate the total rainfall?

- a.  $(3 + 2) + (3 + 8)$
- b.  $(3 \times 2) + (3 \times 0.8)$
- c.  $(3 \times 0.2) + (3 \times 8)$
- d.  $(3 \times 4) + (3 \times 0.8)$

12. Ms. Turner buys 1.8 pounds of ground beef to make tacos. Ground beef costs \$4.75 per pound. How much does Mrs. Turner spend for ground beef?

- a. \$8.55
- b. \$85.50
- c. \$6.55
- d. \$8.50

13. Kenny used the following equation to correctly solve a problem.

$$3(\$5) + 3(\$0.23) = \$15.69$$

Which could be the problem that Kenny solved?

- a. Kenny bought a sandwich for \$5.23 and extra cheese for \$0.23. He shared the sandwich with 3 friends. What was the total amount Kenny spent?
- b. Kenny, his mother, and his father each bought a sandwich for \$ 5.23. How much did they spend altogether?
- c. Kenny bought 3 sandwiches for \$5. He ordered extra cheese for 1 sandwich. Extra cheese cost \$0.23. What was the total amount Kenny spent?
- d. Kenny bought 3 sandwiches for \$5.23 each and 3 extra slices of cheese for \$0.23 each. How much did Kenny spend altogether?

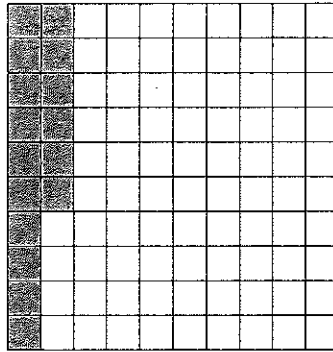
14. Jill buys 14 limes for \$0.25 each. To quickly calculate the cost, Jill writes the expression below.

$$(10 \times \$0.25) + (4 \times 0.25)$$

What amount is equal to Jill's expression?

- a. \$14.25
- b. \$2.54
- c. \$3.75
- d. \$3.50

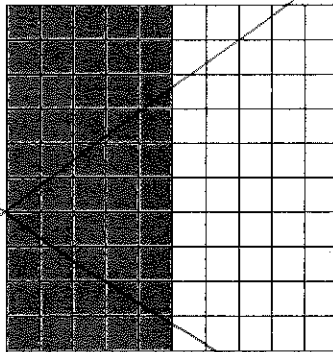
15. Jennifer buys a package of 5 sour worms. Each sour worm costs \$0.16, as shown in the model below.



How much does Jennifer spend for the package of sour worms?

- a. \$0.08
- b. \$0.80
- c. \$0.20
- d. \$8.00

16. Which multiplication problem can the model show?



- a. Mark three columns to show  $0.3 \times 0.5 = 0.15$
- b. Mark five rows to show  $0.5 \times 0.5 = 0.25$
- c. Mark three columns to show  $0.3 \times 0.5 = 0.15$
- d. Mark five columns to show  $0.5 \times 0.5 = 0.25$

17. Betty runs 2.4 miles each day. How far does she run in 15 days?

18. Bob's cell phone plan offers 300 free anytime minutes per month for \$39.95, with a charge of \$0.82 for each minute OVER 300. How much would Bob pay if he used his phone for 347 minutes in a one month period?