Unit 3 Show What You Know

LESSON

Use any materials when they help.

1

1. Multiply. What strategies did you use?

a) 3×2 **b)** 3×4 **c)** 3×8

d) 2×6 **e)** 4×6 **f)** 8×6

2 4

2. Multiply. What strategies did you use?

a) 5×8 **b)** 1×8 **c)** 9×0 **d)** 7×6

e) 9×9 **f)** 8×10 **g)** 8×9 **h)** 4×8

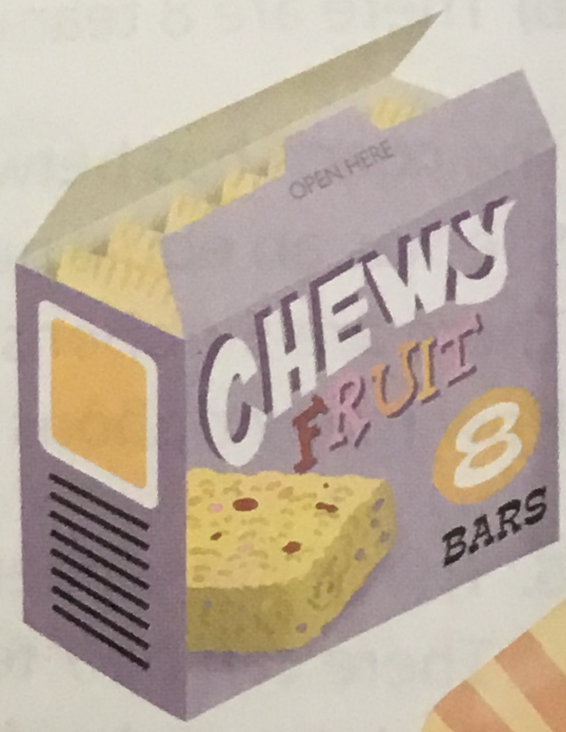
3. There are 8 cereal bars in a box.

a) How many bars are in 2 boxes?

b) How many bars are in 4 boxes?

c) How many bars are in 8 boxes?

How could you use one answer to get the next?



3

4. Copy this chart. Fill in the missing numbers.
Describe each skip counting pattern.

×	4	5	6	7	8	9
4	16	20				
5		25		35		
6			36			54

5. Ali knows that $7 \times 6 = 42$.

How can he use this fact to find 7×7 and 7×8?

5

6. The answer to a multiplication question is 24.
What might the question be?
Write as many multiplication facts as you can.

7. Use words, numbers, or pictures to explain your thinking.

a) How might you use 4×7 to find 8×7?

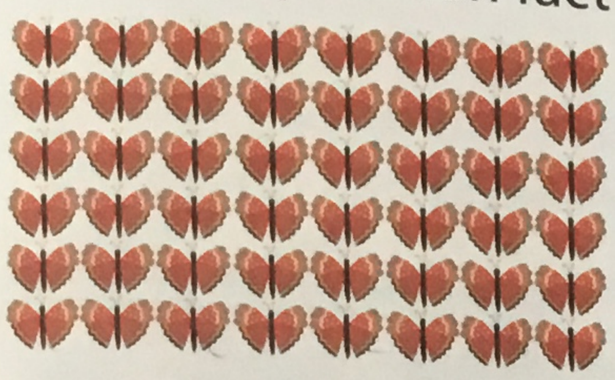
b) How might you use 5×5 to find 5×6?

c) How might you use 3×10 to find 3×9?

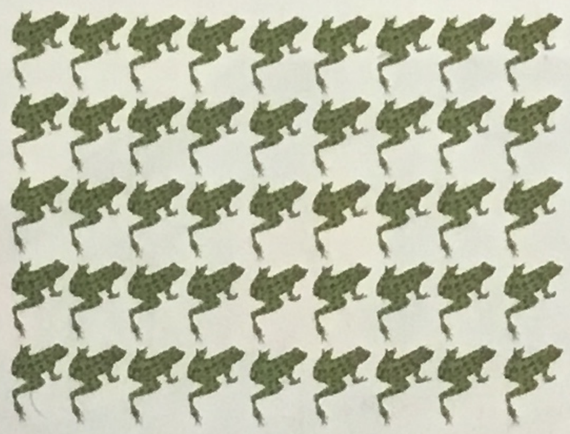
LESSON 7

8. Write a multiplication fact and a division fact for each array.

a)



b)



LESSON 5 8

9. What might each missing number be? How many answers can you find?

a) $\square \times \bigcirc = 35$ **b)** $\triangle \div \square = 1$ **c)** $\square \times \bigcirc = 63$ **d)** $\square \div \triangle = 5$

10. Divide.

a) $45 \div 9$ **b)** $32 \div 8$ **c)** $56 \div 7$ **d)** $27 \div 3$ **e)** $9 \div 9$

LESSON 9

11. Find each product.
Then write a related multiplication fact and two division facts.

a) $6 \times 7 = \square$ **b)** $6 \times 9 = \square$ **c)** $8 \times 3 = \square$ **d)** $5 \times 7 = \square$

12. Write four related facts for each set of numbers.

a) 9, 7, 63 **b)** 4, 5, 20 **c)** 6, 8, 48

13. Which multiplication facts will help you find the answers?

a) $30 \div 6$ **b)** $64 \div 8$ **c)** $42 \div 7$

14. There are 8 flowers in a bunch.
Suppose you want to buy 40 flowers.
How many bunches would you need to buy?
Write an equation for the problem.
Solve the equation.

LESSON 10

15. Use the data below.
Write a problem that can be solved by multiplying or dividing.
Solve your problem.

There are 48 apples.
There are 5 boys and 3 girls.

UNIT 3 Learning Goals

- ☑ use different mental math strategies to multiply and divide
- ☑ multiply by 0, 1, and 10
- ☑ divide by 1
- ☑ recall multiplication and division facts
- ☑ identify and describe patterns in a multiplication chart
- ☑ relate multiplication and division
- ☑ pose and solve story problems using multiplication and division
- ☑ write and solve equations