

Section C: Practice Problems

1. a. How many tens are there in 50?

b. How many tens are there in 7×50 ? Explain your reasoning.

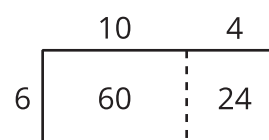
c. What is the value of 7×50 ? Explain your reasoning.

(From Unit 4, Lesson 12.)

2. There are 4 lunch tables. There are 12 students at each table. How many students are there at the tables? Show your thinking using objects, a drawing, or a diagram.

(From Unit 4, Lesson 13.)

3. a. What do the 60 and 24 in the diagram represent?



- b. Explain how to use the diagram to calculate 14×6 .

(From Unit 4, Lesson 14.)

4. There were 14 days of school in the month. There were 7 hours of school each day. How many hours of school were there during the month?

(From Unit 4, Lesson 15.)

5. Find the value of each expression. Explain or show your reasoning.

a. 2×47

b. 3×25

(From Unit 4, Lesson 16.)

6. A rope is 640 inches long. Andre cuts off 5 pieces of rope that are 16 inches each. How much rope is left?

(From Unit 4, Lesson 17.)

7. **Exploration**

Here is Mai's strategy for calculating 4×21 : "First I double 21 and that's 42. Then I double 42 and that's 84."

- a. Explain why Mai's strategy works.

- b. Use Mai's strategy to find 4×23 .

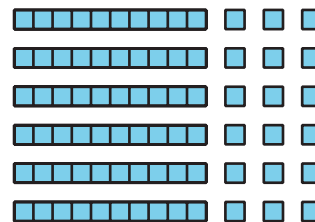
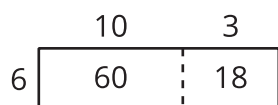
8. Exploration

×	1	2	3	4	5	6	7	8	9
1	1	2	3	4	5	6	7	8	9
2	2	4	6	8	10	12	14	16	18
3	3	6	9	12	15	18	21	24	27
4	4	8	12	16	20	24	28	32	36
5	5	10	15	20	25	30	35	40	45
6	6	12	18	24	30	36	42	48	54
7	7	14	21	28	35	42	49	56	63
8	8	16	24	32	40	48	56	64	72
9	9	18	27	36	45	54	63	72	81

- Make a list of the numbers less than 20 that do not appear in the multiplication table.
- What do these numbers have in common?
- Choose one of these numbers and count out that number of objects. Can you make an array out of the objects?

9. Exploration

Look at the two different diagrams of the same multiplication expression:



- What multiplication expression do the two diagrams represent?
- Can you show a third way to represent the same multiplication expression?
- What is the value of the expression?
- Write a story problem to match the expression.
