Name: _____ Date: _____

LESSON 6

Factoring Fun

Directions: Find the first six multiples of each whole number.

1. 7: _____ _____ _____ _____ _____ _____

2. 12: _____ _____ _____ _____ _____ _____

Directions: Find the factor pairs for each whole number.

Whole Number	Factor Pairs
3 13	
4 14	
5 27	
6 32	
7 36	

What patterns do you see in the factors for whole numbers?

LESSON 6

Name: _____ Date: _____

Factor Finder

Directions: Find the first six multiples of each whole number.

1. 9: _____ _____ _____ _____ _____ _____

2. 11: _____ _____ _____ _____ _____ _____

Directions: Find the factor pairs for each whole number.

Whole Number	Factor Pairs
3 11	
4 12	
5 24	
6 49	
7 56	

Name: _____ Date: _____

LESSON 6

Quick ✓ Check

Directions: Choose the correct solution.

1 Which of the following is a factor of 25?

- (A) 2
- (B) 10
- (C) 5
- (D) 50

2 Which of the following is NOT a multiple of 10?

- (A) 30
- (B) 5
- (C) 100
- (D) 20

3 Which of the following is a multiple of 8?

- (A) 24
- (B) 2
- (C) 12
- (D) 4

4 Which of the following is NOT a factor of 35?

- (A) 6
- (B) 5
- (C) 35
- (D) 7

Directions: Solve the problem.

5 Find all the factors of 42. Explain how you know you have all of the factors.

LESSON 6

Name: _____ Date: _____

Refocus

Directions: Find the factor pairs for each whole number. Draw arrays to show each factor pair.

1 **7**

Factor Pairs: _____

2 **10**

Factor Pairs: _____

3 **15**

Factor Pairs: _____

4 **16**

Factor Pairs: _____

Choose a question, 1–4. Explain how you know you found all of the factors.

_____

_____

_____

Name: _____ Date: _____

LESSON 6

Independent Practice

Directions: Write a number that is either a factor or a multiple of the number given. Move from left to right across each row. The first column shows the number. The next column shows whether you should write a factor or a multiple of that number.

Factor Multiple Machine

1	**30**	FACTOR	_____
2	**8**	MULTIPLE	_____
3	**28**	FACTOR	_____
4	**12**	MULTIPLE	_____
5	**45**	FACTOR	_____
6	**20**	MULTIPLE	_____

LESSON 6

Name: _____ Date: _____

Math in the Real World

Table Dilemma

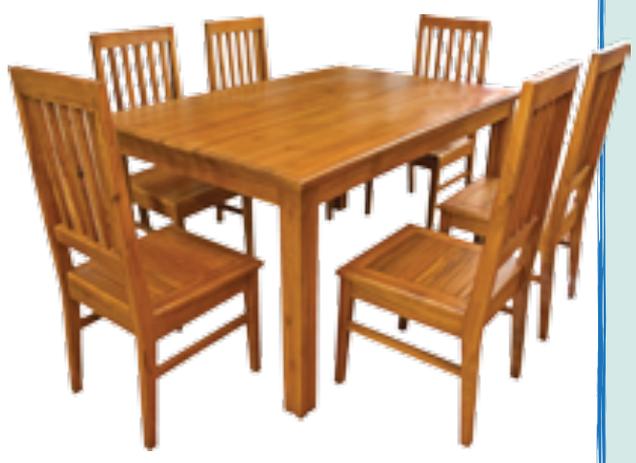
Jeff is planning a dinner party for 40 people. He needs to order tables. He can order tables that seat 8, 10, or 15. He wants to order the fewest number of tables possible and fill every table. What size of tables should he order? How many will he need?

Unpack the Problem

Make a Plan

Solution

Look Back and Explain



Name: _____ Date: _____

LESSON 6

Reflection

1. What did you learn about how factors and multiples are related?

2. What is a question that you still have about factors and multiples?