Name _____ Date _____

Test Dec 15
facts 6, 7, & 8

▶ **Vocabulary**

Choose the best word from the box.

1. A(n) *array* is an arrangement of objects in columns and rows. **(Lesson 2-4)**

2. A(n) *sq. number* is a product of a whole number *sq #* and itself. **(Lesson 2-6)**

3. 80 is a(n) *multiple* of 10. **(Lesson 2-12)**

10, 20, 30, 40, 50, 60, 70, 80

▶ **Concepts and Skills**

4. Explain how to use the order of operations to find the answer to this expression. Then find the answer. **(Lesson 2-10)**

$3 + 4 \times 5 = 23$

× before +
4×5 = 20+3 = 23

5. Describe how to use mental math to find 90×8. **(Lesson 2-12)**

9×8=72 then add the 0
720

Find the answer. (Lesson 2-10)

6. $(7 - 4) \times 5 = 15$ *3+5*

7. $4 + 18 \div 3 = 10$ *4 + 6*

6×5=30
6×6=36
$\frac{36}{6} = 6$

Multiply or divide.
(Lessons 2-1, 2-3, 2-5, 2-6, 2-7, 2-8, 2-12, 2-14)

8. $7 \times 8 = 56$

9. $6 \cdot 9 = 54$

10. $55 \div 1 = 55$

11. $72 \div 9 = 8$

12. $30 \times 0 = 0$

13. $49/7 = 7$

14. $4 \cdot 3 = 12$

15. $2 * 10 = 20$

16. $64 = 8 \times 8$

Multiply or divide.
(Lessons 2-1, 2-3, 2-5, 2-6, 2-7, 2-8, 2-12, 2-14)

17. $\boxed{8} \times 3 = 24$ 18. $28 \div \boxed{7} = 4$ 19. $3 \times 90 = \boxed{270}$

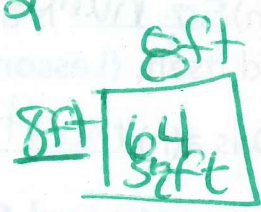20. $\boxed{4}$ $6\overline{)24}$ *(4 written above)*   21. $\boxed{6}$ $7\overline{)42}$ $7 \times 5 = 35$
$7 \times 6 = 42$

▶ **Problem Solving**

Write an equation and solve the problem.
(Lessons 2-2, 2-4, 2-7, 2-9, 2-10, 2-11, 2-13, 2-15)

(handwritten: 8ft box labeled 64, 8ft, sq ft)

22. The area of Keshawn's garden is 64 square feet. Its width is 8 feet. What is the length of this garden?

__8 ft__

23. Carrie found 7 seashells at the beach. Her brother found 8 seashells. They divided the seashells equally among 3 people. How many seashells did each person get?

$(7 + 8) \div 3 = 5$ $15 \div 3 =$

24. Mr. Alberto has 48 students to divide into teams of 8. The number of teams will be divided equally for three high school students to coach at practice. How many teams will each high school student get?

$48 \div 8 \div 3 = 2$ $M \frac{7}{2}$
$6 \div 3 =$

25. **Extended Response** Marci has 7 bean bag dolls. Lucy has 2 bean bag dolls. Janice has twice the number of dolls as Marci and Lucy combined. How many dolls does Janice have? Explain the steps you used to solve the problem. Then write an equation to show the steps.

$(7 + 2) \times 2 = 18 \text{ dolls}$
$9 \times 2 = 18$