LESSON MAKER PRO

# Count It Out

*Use skip counting and multiplication facts to find totals.*

**GRADE 4 · 4.NOS.C.7.a**

**4.NOS.C.7.a** "Skip count (2s, 5s, 10s) and apply properties of operations (0s, 1s) to derive foundational facts."

NAME _____ DATE _____

## COUNT BY GROUPS

To multiply by 2, 5, or 10, skip count once for each group. Any number multiplied by 0 is 0. Any number multiplied by 1 stays the same.

## WORKED EXAMPLE

Find 5 x 4.

1. Count by 5 four times: 5, 10, 15, 20.
2. The fourth count is 20.

**Answer: 5 x 4 = 20**

## PRACTICE 6 problems

**1** Count by 2s to find 2 x 6 = ___.

**ANSWER** _____

**2** Count by 5s to find 5 x 7 = ___.

**ANSWER** _____

**3** Count by 10s to find 10 x 8 = ___.

**ANSWER** _____

**4** Find 0 x 9 = ___.

**ANSWER** _____

**5** Find 1 x 6 = ___.

**ANSWER** _____

**6** Sam says 2 x 8 = 15. Write the correct product and explain it using skip counting.

**ANSWER** _____

_____

## APPLY IT Show your work

**1** At an arcade, you earn 5 tickets each time you play a game. You play 6 times. How many tickets do you earn?

WORK SPACE

**ANSWER** _____

**2** A prize box holds 10 keychains. Nia fills 3 boxes and has 0 loose keychains. How many keychains does she have?

WORK SPACE

**ANSWER** _____

## CHALLENGE One step up

A game shop has 1 pack of 10 cards and 4 small packs of 5 cards each. How many cards are there in all? Show two ways to find the total.

WORK SPACE AND ANSWER

**ANSWER KEY**

# Count It Out

**GRADE 4 · 4.NOS.C.7.a**

## PART 1 · PRACTICE

| # | PROBLEM | ANSWER |
|---|---|---|
| 1 | Count by 2s to find 2 x 6 = ___. | **12** |
| 2 | Count by 5s to find 5 x 7 = ___. | **35** |
| 3 | Count by 10s to find 10 x 8 = ___. | **80** |
| 4 | Find 0 x 9 = ___. | **0** |
| 5 | Find 1 x 6 = ___. | **6** |
| 6 | Sam says 2 x 8 = 15. Write the correct product and explain it using skip counting. | **16. Counting by 2s eight times gives 2, 4, 6, 8, 10, 12, 14, 16.** |

## PART 2 · APPLY IT

1. **30 tickets** Count by 5s six times, or find 5 x 6 = 30.
2. **30 keychains** Three boxes hold 10 x 3 = 30 keychains. Adding 0 loose keychains keeps the total at 30.

## CHALLENGE

**30 cards. One way is 1 x 10 + 4 x 5 = 10 + 20 = 30. Another way is to count the pack of 10 as two groups of 5, then count six groups of 5 to get 30.**

Accept a skip-counting list or a matching multiplication fact as work. For the challenge, accept any two correct methods that show 30 cards.