

## Lesson: Multiplication and Division

**Third Grade Objective:** Develop fluency with multiplication from 1 x 1 through 12 x 12 and division up to two-digit by one-digit.

### Lesson

You can use your knowledge of multiplication to help you with division. Here is an example:

Greg has seventeen jellybeans. He wants to share them equally with his three friends (and he wants some too!).

There will be four people eating jellybeans. Think about the factors of four.

$$4 \times 1 = 4$$

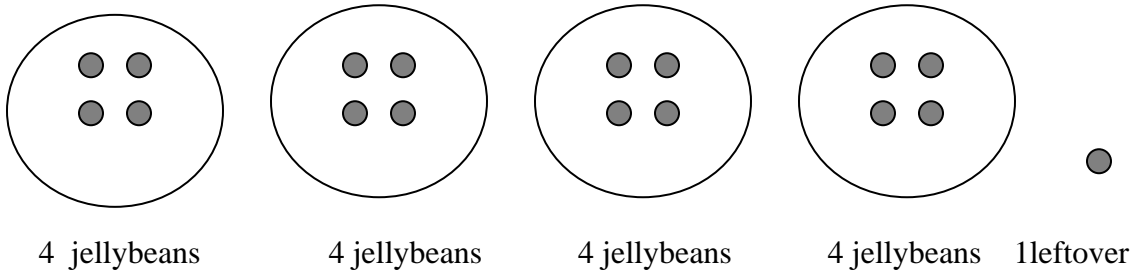
$$4 \times 2 = 8$$

$$4 \times 3 = 12$$

$$4 \times 4 = 16$$

$$4 \times 5 = 20$$

$4 \times 4$  is **16**, which is lower than 17 and  $4 \times 5$  is **20** which is higher than 17. So, each person will get four jellybeans with some jellybeans leftover. You can separate the jellybeans equally into four piles and then make a pile for the leftovers.



$$17 \div 4 = 4 \text{ R } 1 \text{ and } 4 \times 4 + 1 = 17$$

### Try these on your own!

1.  $25 \div 6$

2.  $32 \div 5$

3. Brandon shares 18 cookies equally with his four friends (and he gets some too!). How many cookies does each person get and how many are leftover?

Check out [www.multiplication.com](http://www.multiplication.com) for lots of multiplication practice, games and resources!

**Check Your Answers**

1.  $25 \div 6 = 4 \text{ R } 1$
2.  $32 \div 5 = 6 \text{ R } 2$
3.  $18 \div 4 = 4 \text{ R } 2$