

Dividing using an area model

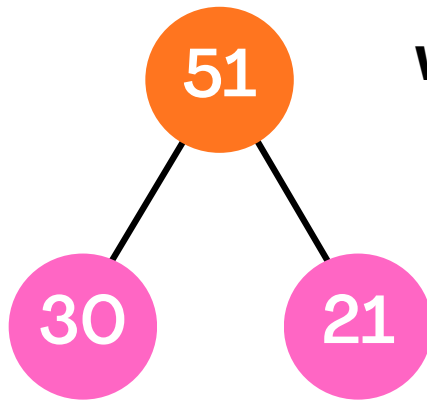


1. What is our equation?

$$51 \div 3 = ?$$



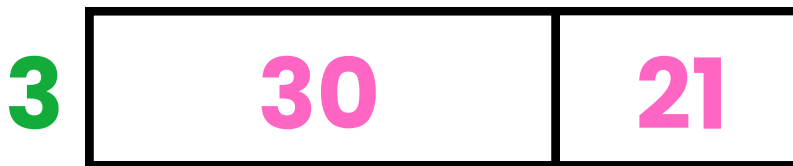
2. Break apart the total.



When we break apart a **total**, we want to pick **friendly numbers** that divide evenly by 3.

Always pick numbers that are multiples of the group number (3).
Remember your skip counting (3, 6, 9, 12...)

3. Build the area model



4. Divide each box by 3

$$30 \div 3 = 10 \quad 21 \div 3 = 7$$



4. Add the partial quotients. $10 + 7 = 17$

Each Kennedy teacher gets 17 cupcakes

Number Bonds for Division

Our Situation:

Mr. Kimbril is so excited for Spooky Fest! 🎃

He brings in 51 cupcakes to share with all the 4th graders.



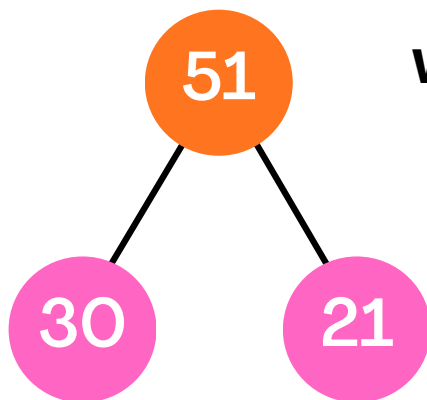
He wants to split them evenly between the 3 fourth-grade teachers so each teacher can pass them out to their class.

How many cupcakes does each teacher get?

1. What is our equation?

$$51 \div 3 = ?$$

2. Break apart the total.



When we break apart a total, we want to pick friendly numbers that divide evenly by 3.

Always pick numbers that are multiples of the group number (3).

Remember your skip counting (3, 6, 9, 12...)

3. Divide each part by 3 (the groups).

$$30 \div 3 = 10 \quad 21 \div 3 = 7$$

Remember our partial quotient rainbow



4. Add our partial quotients.

$$10 + 7 = 17$$

Each teacher gets 17 cupcakes

