

# Year 4

**Multiplicative Fluency 2**

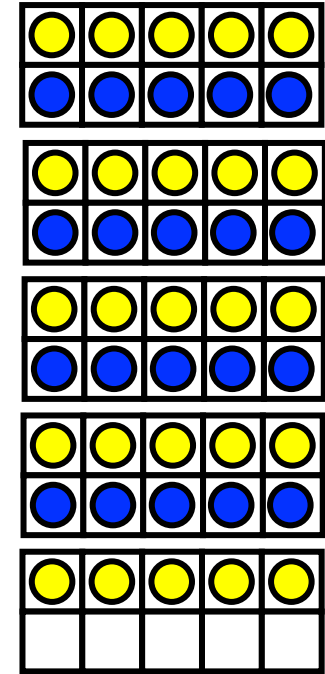
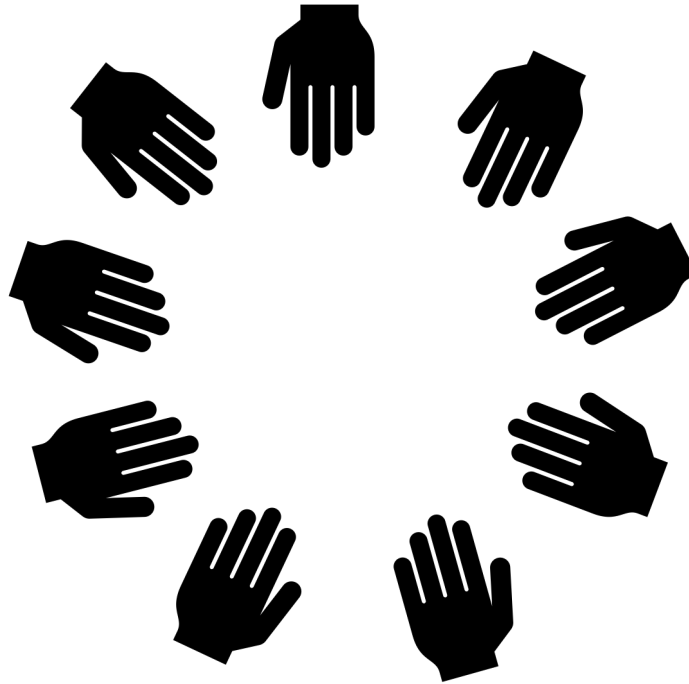
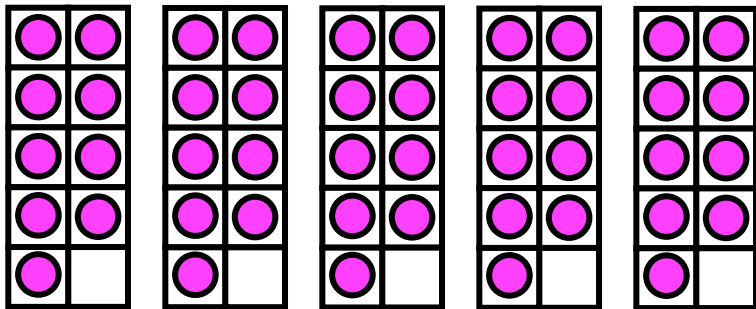
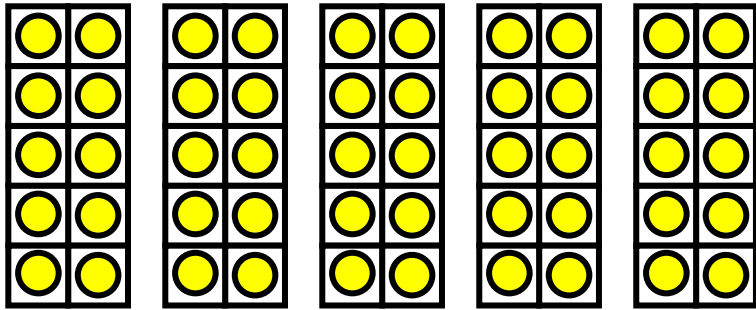
**Week 5**

**Numbers 42 and 45**

## Notes for teachers in school or at home:

- This week is about learning key factors for 42 and 45 (up to 9x table)
- Know that 42 has 1 key fact:  $6 \times 7$
- Know that 45 has 1 key fact:  $5 \times 9$ .
- Think about other multiplications, such as double 21
- Link 5x and 2x table to 7x table
- Find unit and non-unit fractions.

# Number 45



**Compare**

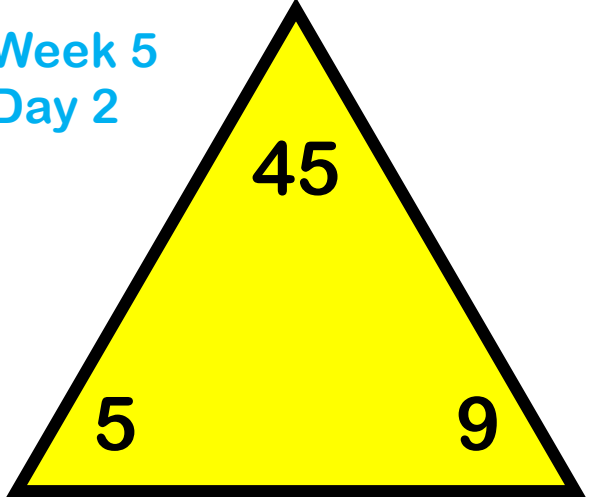
5 groups of 10  
with  
5 groups of 9

What do you notice?

Count to 45 in 5s.  
Count up and back.

Count to 450 in  
50s. Count up and  
back!

What multiplication  
and division facts  
can you see for  
45?



# Key factors of 45

Complete this fact firework!  
Can you add even more facts?

$5 \times 9 = 45$

$450 \div 9$

$50 \times 9$

$500 \times 9$

$5 \times 90$

$450 \div 5$

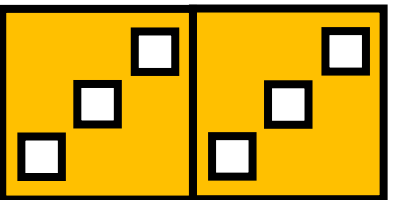
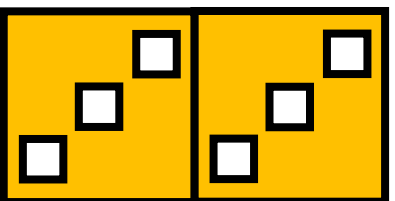
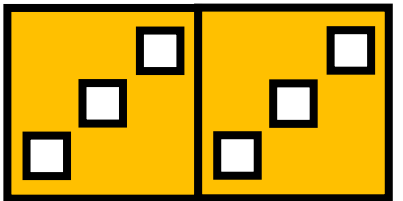
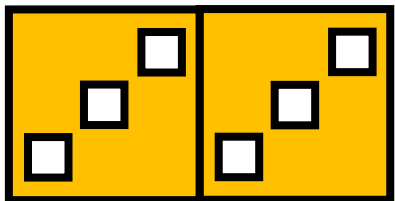
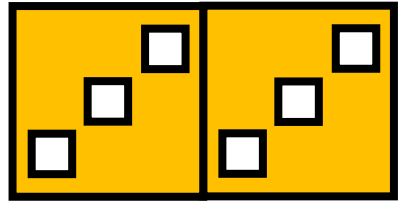
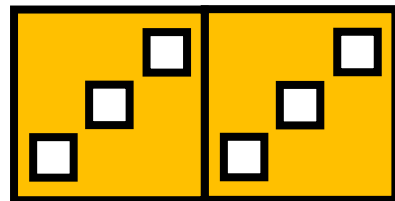
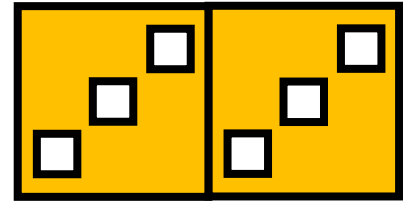
$4500 \div 5$

$5 \times 900$

$4500 \div 5$

I wonder why some of these have the same answer

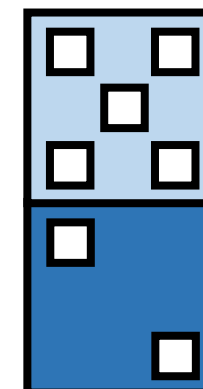
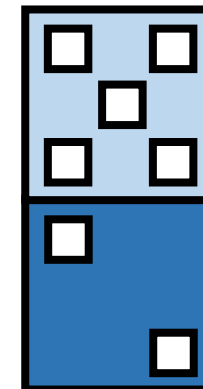
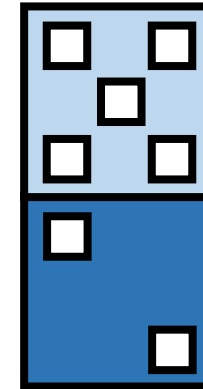
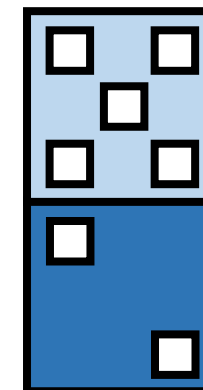
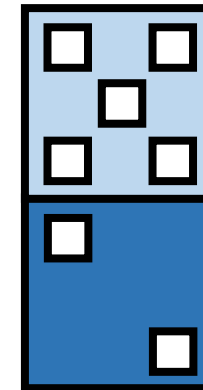
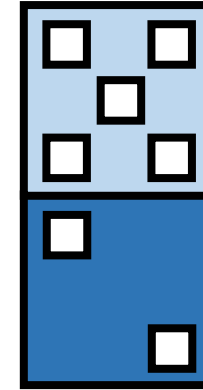
# Number 42



Look at these dominoes.

What equal groups do they show?

Find times-table facts for 42



Hmm. If I know  
7 times 3...

I know my 5  
times table,  
and my twos,  
so...

# Key factors of 42

$$42 = 6 \times \text{♥}$$

$$42 = 7 \times \text{●}$$

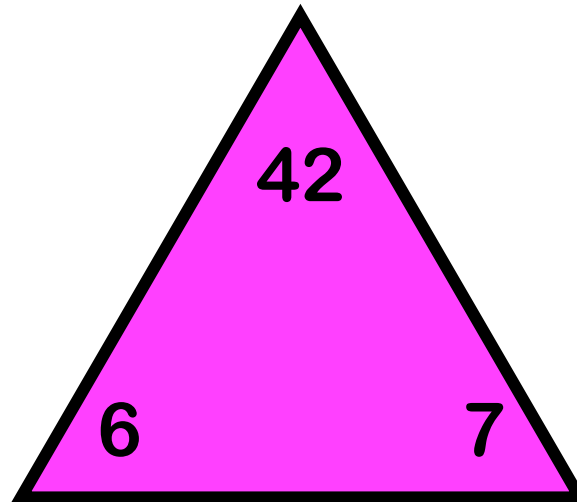
$$42 \div 6 = \text{★}$$

$$42 \div \text{▽} = 6$$

$$\square \times \square = \square$$

$$\square \div \square = \square$$

Remember this factor triangle for 42!



How many multiplications and divisions can you make involving these factors of 42?

$$420 = 70 \times \text{☁}$$

$$420 \div 6 = \text{◆}$$

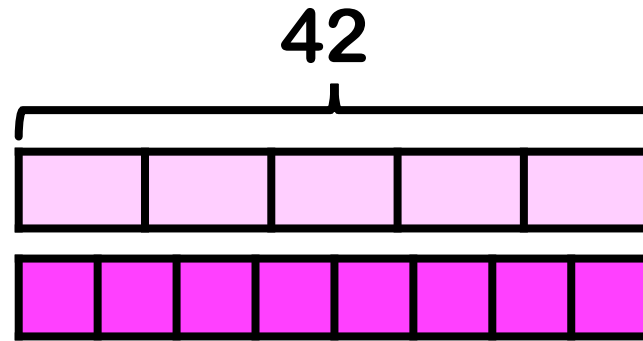
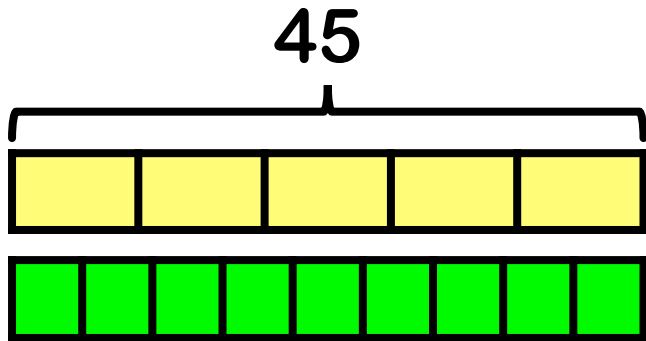
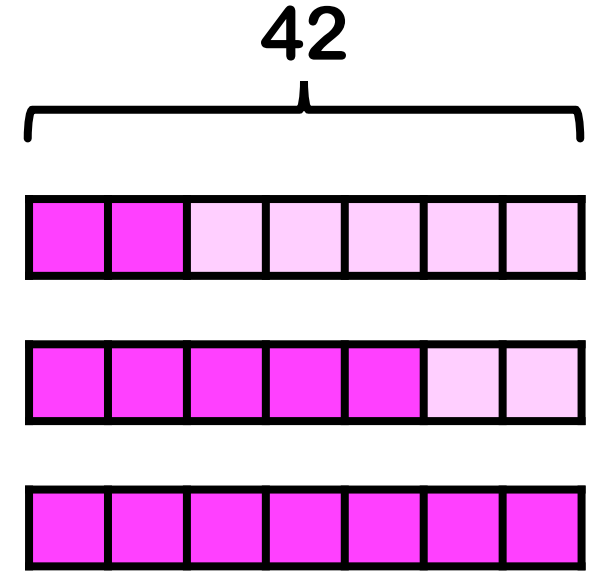
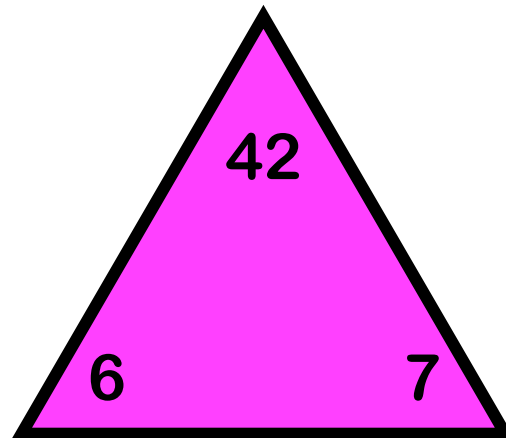
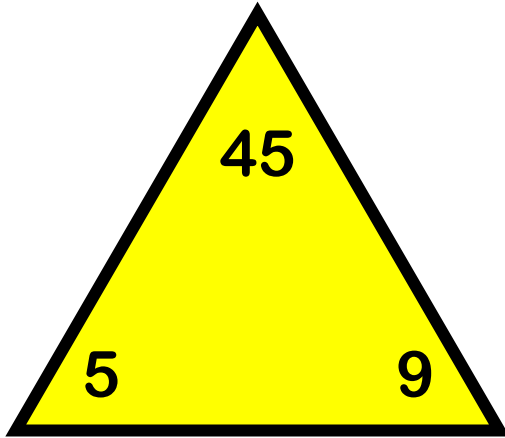
$$420 \div \text{⬠} = 6$$

$$420 \div \text{⬡} = 60$$

$$\square \times \square = \square$$

$$\square \div \square = \square$$

# Fraction skills



$\frac{1}{5}$  of 45 is

$\frac{1}{9}$  of 45 is

$\frac{1}{6}$  of 42 is 6

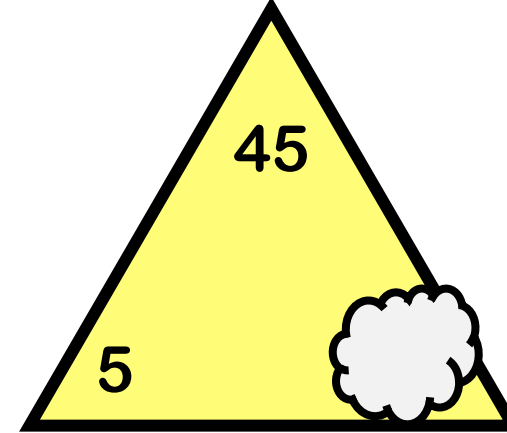
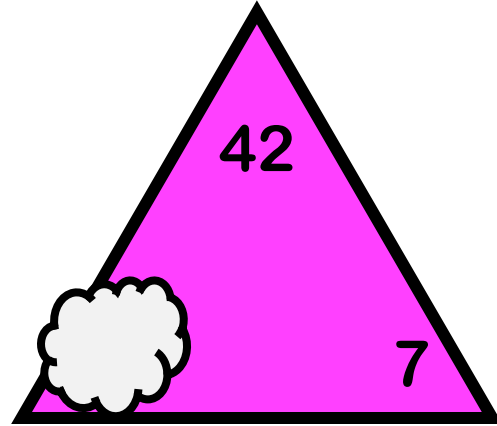
$\frac{1}{7}$  of 42 is 7

$\frac{2}{7}$  of 42 is

$\frac{5}{7}$  of 42 is

$\frac{7}{7}$  of 42 is

# This week we have learned:



Can you remember these from earlier weeks?

