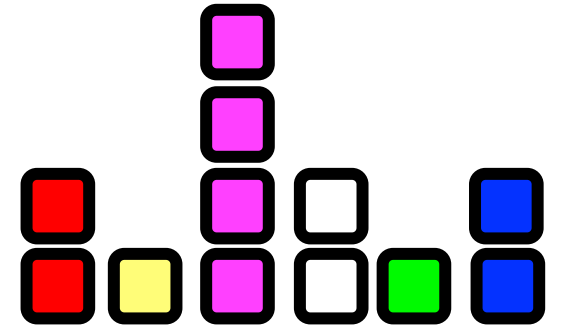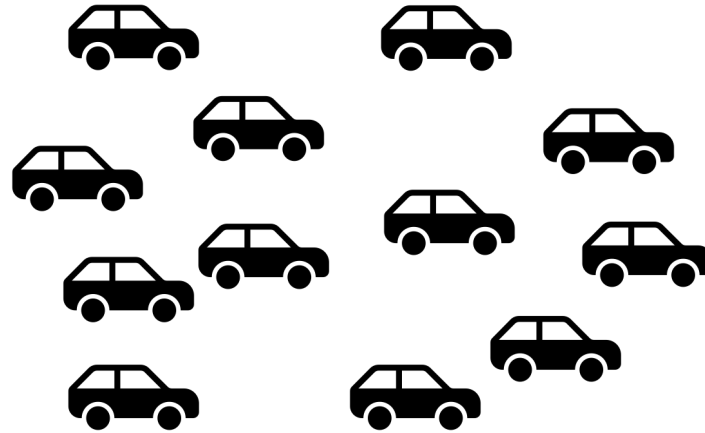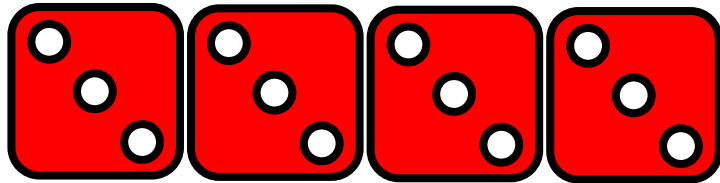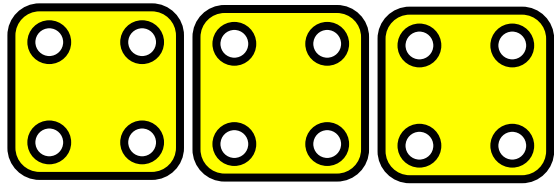# Year 3

Multiplicative Fluency 1

Week 2

Numbers 12 and 14

Numbers of the week... 12 and 14!

Notes for teachers in school or at home:

- **This week is about learning the multiplication facts for 12 and 14.**

- **Know that 12 has 2 key facts: 2×6 and 3×4**

- **Know that 14 has 1 key fact: 2×7**

- **Know division and fraction facts for each number.**
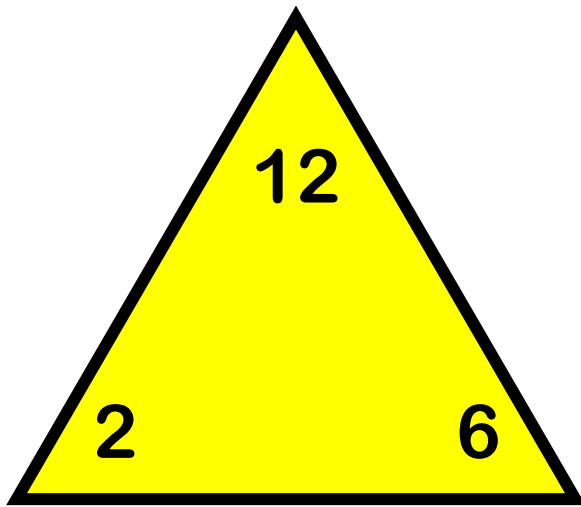
Equal groups to make 12

Look how these dice make 12.
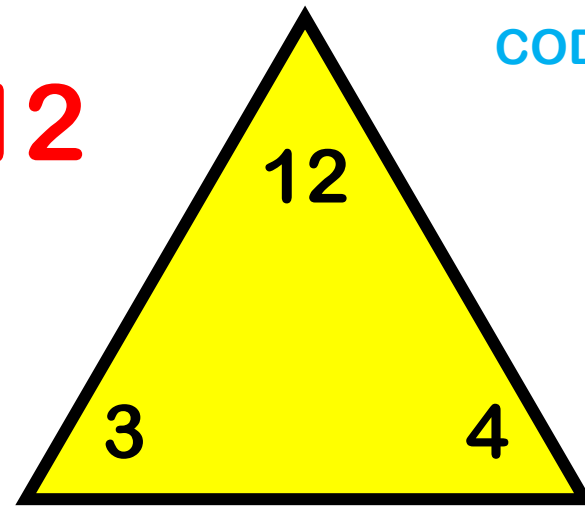
Find two other ways to make 12 like this.

**Use 12 toys or objects.
Sort them into equal groups.**

**Here are 12 blocks.
Make the towers equal heights.**

Key factors of 12

12

2   **6**

12

3   **4**

Remember these factor triangles!

12 = 2 × ♥

♦ × 4 = 12

12 = 6 × ●

Copy both factor triangles for 12. Hide one number. Work out what is hidden.

☁ × 3 = 12

12 ÷ 2 = ★

12 ÷ 3 = ⬡

12 ÷ ▽ = 2

If you remember those triangles, you can solve all these!

12 ÷ 4 = ⬠

Equal groups to make 14

S	S	M	T	W	Th	F
S	S	M	T	W	Th	F

14

2   7

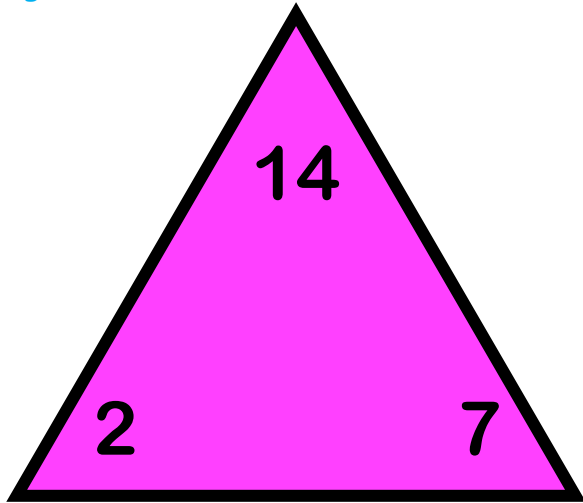0 1 2 3 4 5 6 7 8 9 10 11 12 13 14
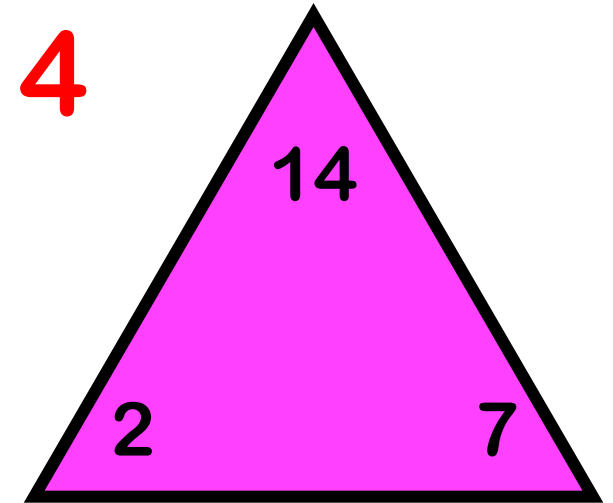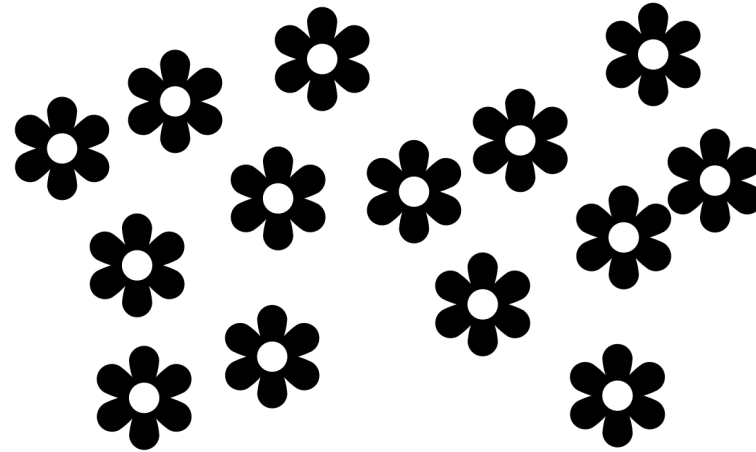
How many days in
1 week?
How many days in
2 weeks?

Draw pictures to
show 14 shared
into equal groups

Count to 14 in
steps of 2.
How many jumps
of 2?

Key factors of 14
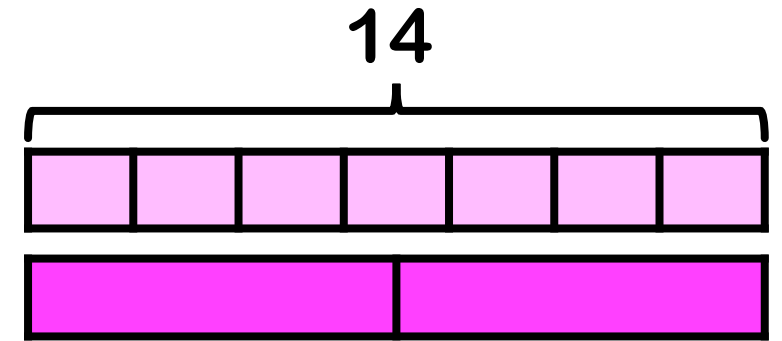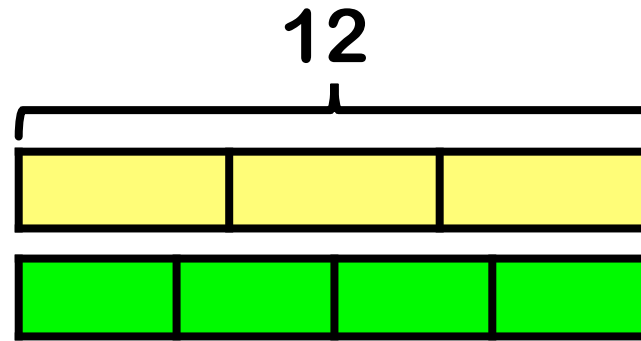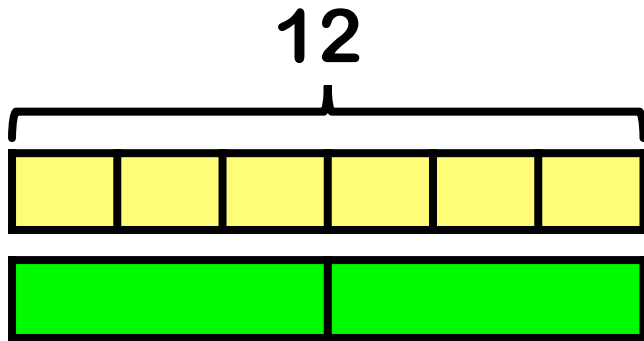
14

2   7

Remember this triangle!

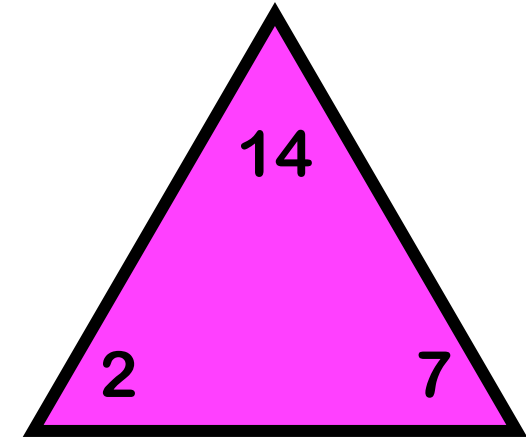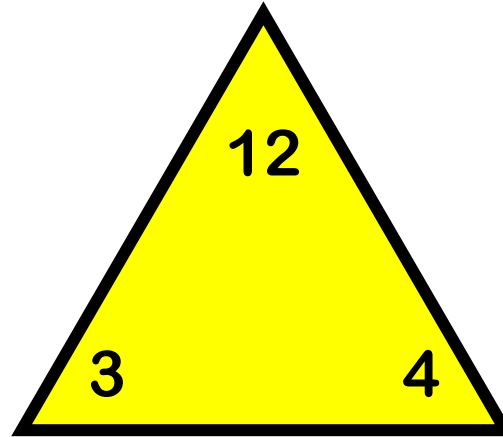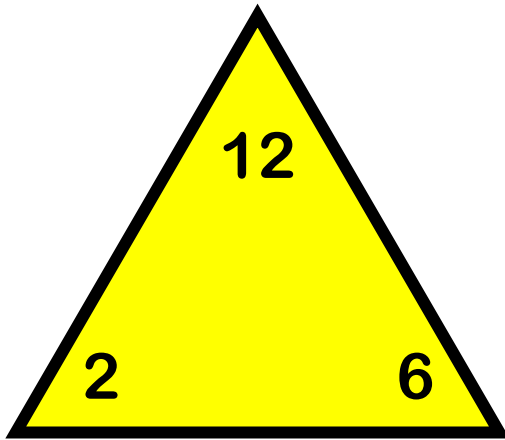**There is only one factor triangle to remember for 14!**

How many multiplications and divisions can you make for this factor triangle?

☐ × ☐ = ☐

☐ ÷ ☐ = ☐

Fraction skills

12

2   6

12

3   4

14

2   7

12

12

14

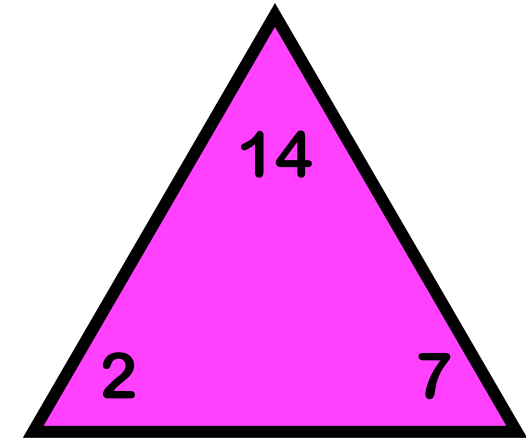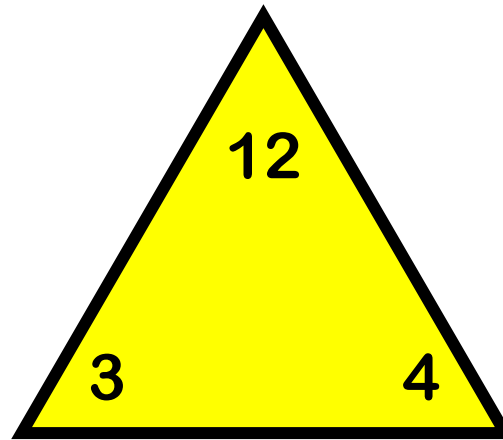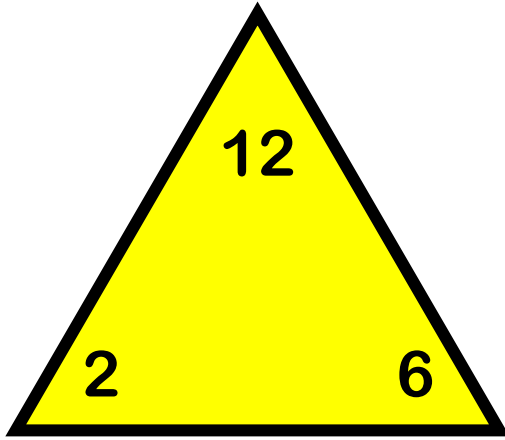$\frac{1}{2}$ of 12 is ☐

$\frac{1}{6}$ of 12 is ☐

$\frac{1}{3}$ of 12 is ☐

$\frac{1}{4}$ of 12 is ☐

$\frac{1}{2}$ of 14 is ☐

$\frac{1}{7}$ of 14 is ☐

This week we learned...

When you remember these factor triangles, you know

1) Times tables

2) Divisions

3) Fractions!

Well done! See you next week.