Year 3

Multiplicative Fluency 1

Week 3
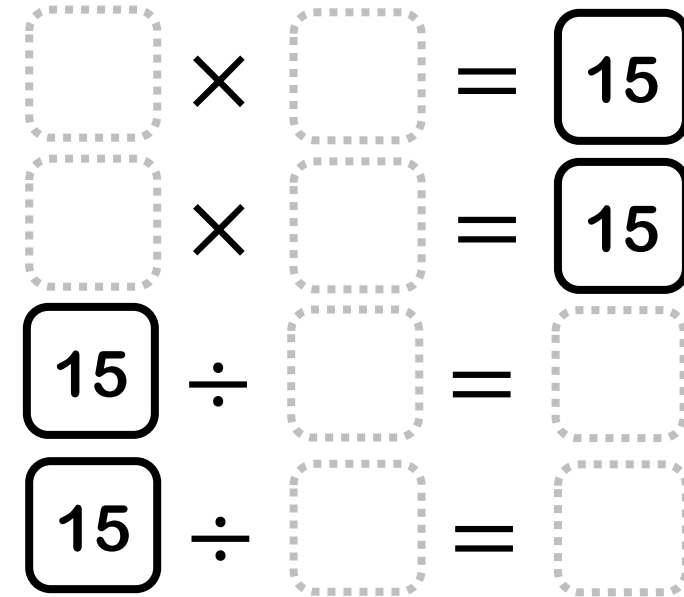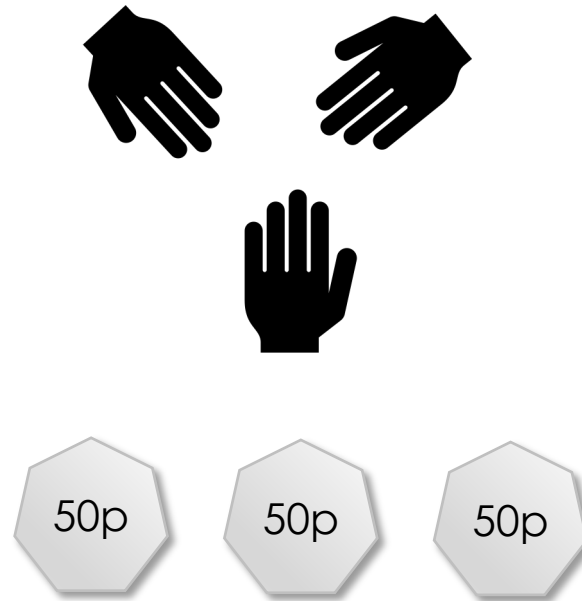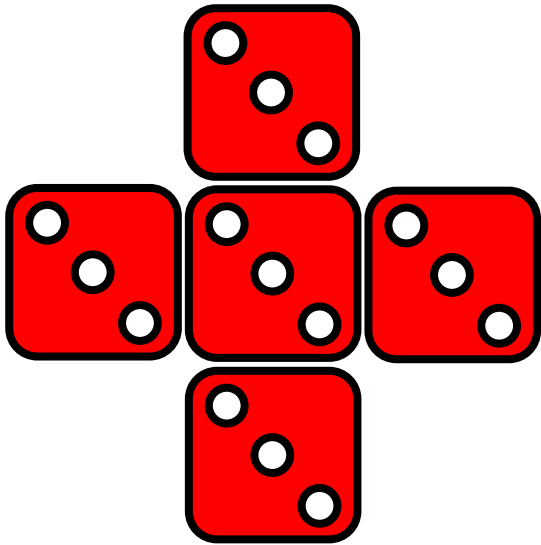
Numbers 15 and 16

Numbers of the week... 15 and 16!

Notes for teachers in school or at home:

- **This week is about learning the multiplication facts for 15 and 16.**

- **Know that 16 has 2 key facts: 2×8 and 4×4.**

- **Recognise that 16 makes a square.**

- **Know that 15 has 1 key fact: 3×5**

- **Know division and fraction facts for each number.**

Equal groups to make 15

$$\square \times \square = 15$$

$$\square \times \square = 15$$

$$15 \div \square = \square$$

$$15 \div \square = \square$$

50p   50p   50p

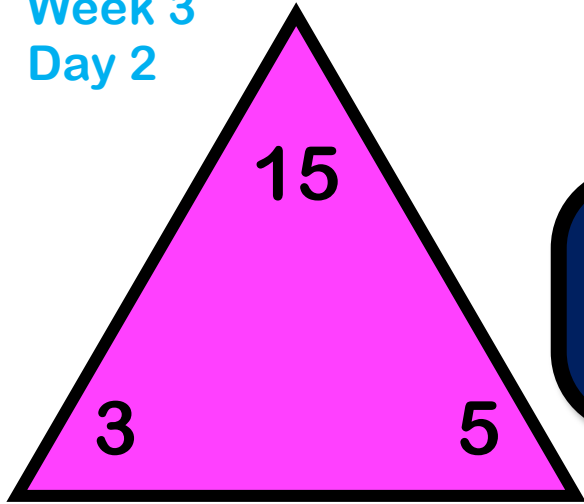**Look how these dice make 15.**

Find another way to make 15 using equal dice.

Count to 15 in fives.

Count to 150 in 50s.

Write 2 multiplication and 2 division facts for 15.

Key factors of 15

15

3   **5**

Remember this factor triangle!

Now you also know these factors!

150

3   **50**

150

30   **5**

$15 = 5 \times$ ❤️

$15 = 3 \times$ 🔵

$15 \div 3 =$ ⭐

$15 \div$ 🔽 $= 3$
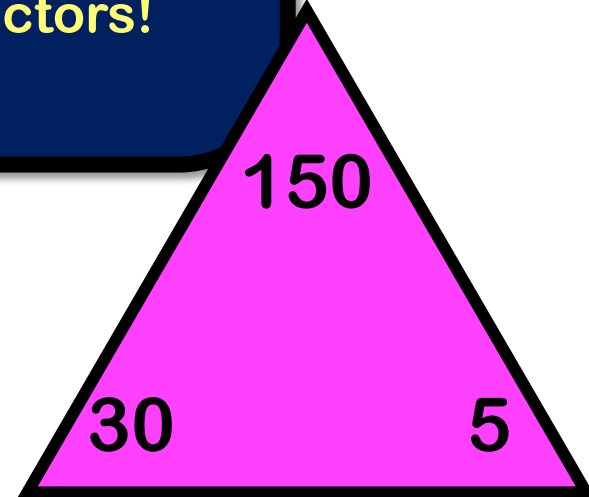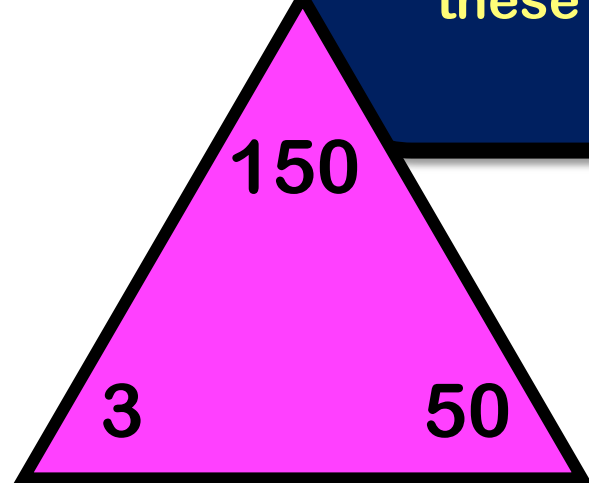
$150 = 30 \times$ ☁️

$150 \div 3 =$ ◆

$150 \div$ ⬟ $= 5$
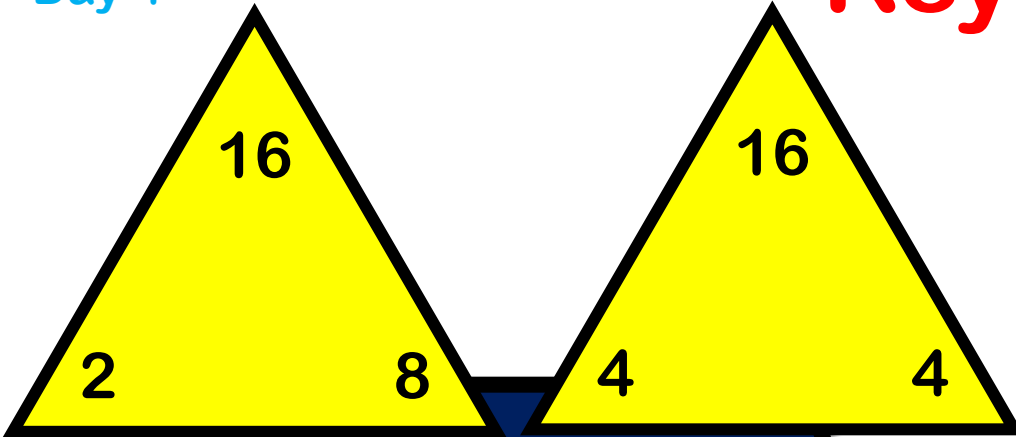
16 is a square!
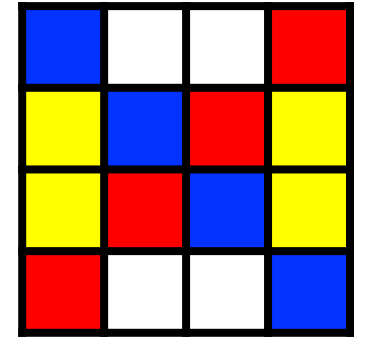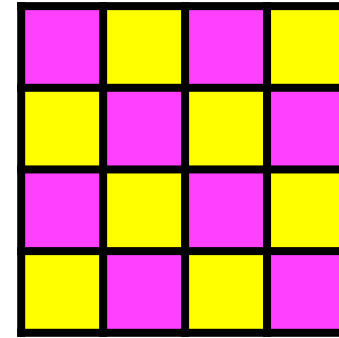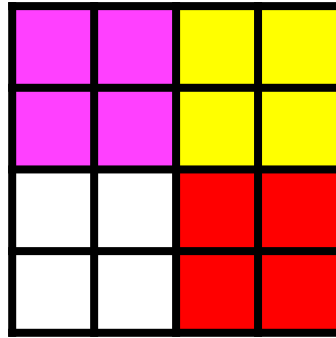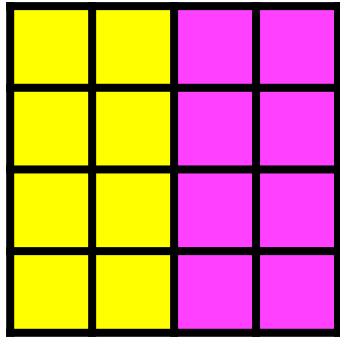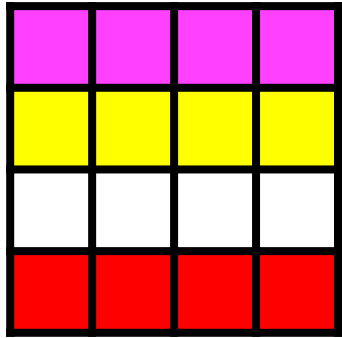
Look at all these ways to colour 16.

Can you see equal groups?

Invent your own patterns for 16.

Use colours and be inventive!

Key factors of 16

16

2   8

16

4   4

Remember these factor triangles!

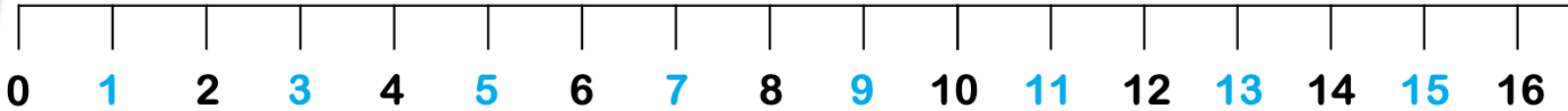**How many multiplications and divisions can you make using these factors?**
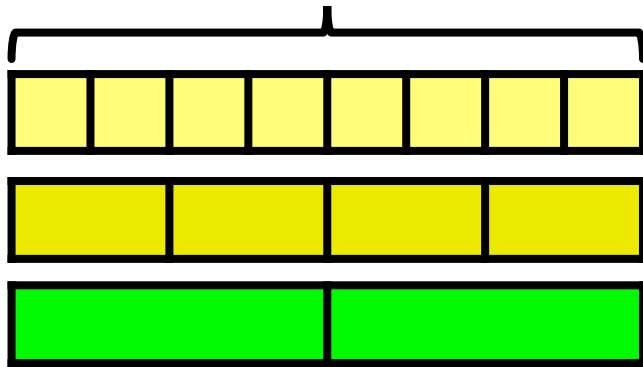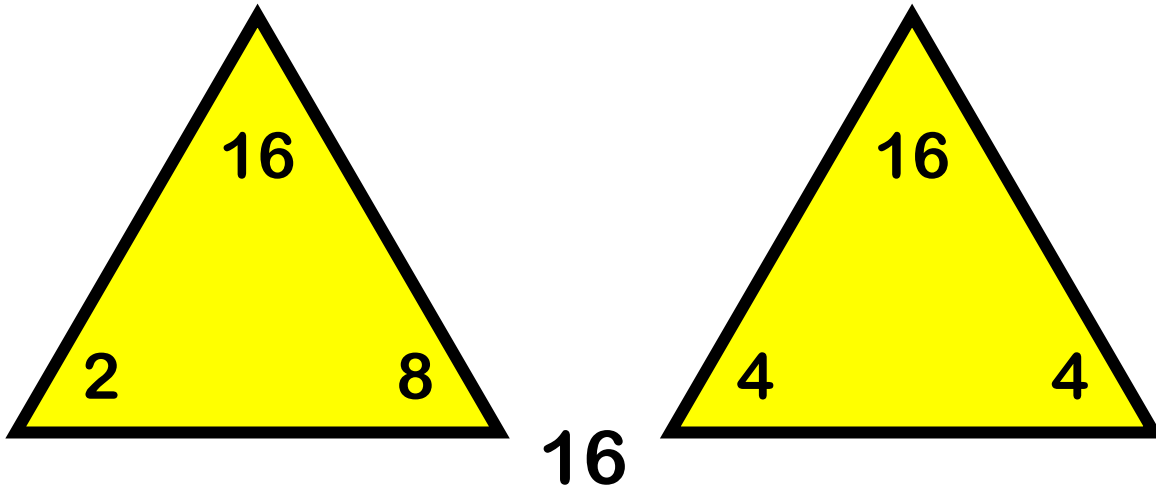
☐ × ☐ = ☐

☐ ÷ ☐ = ☐

**Count to 16 in steps of 2.
Count to 16 in steps of 4
Count to 16 in steps of 8
How many jumps?**

There are some numbers I never seem to land on.

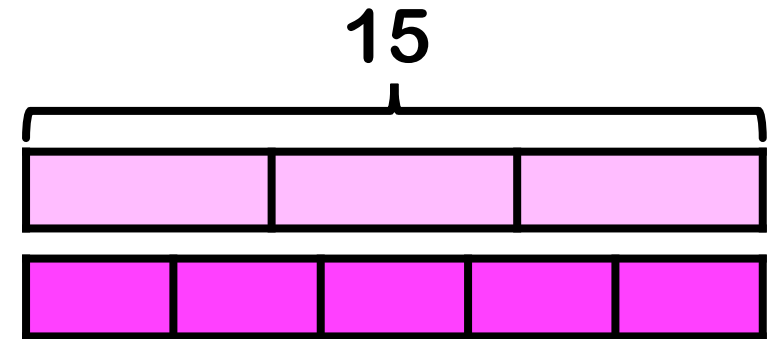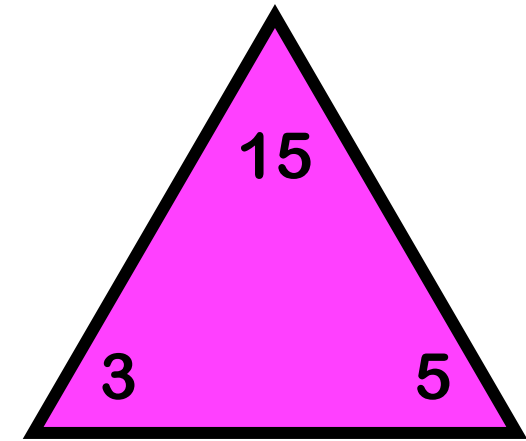I wonder if there are any numbers I always land on...

0 1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16

Fraction skills

16

16

2   8

4   4

15

3   5

16

15

$\frac{1}{2}$ of 16 is ☐ $\frac{1}{4}$ of 16 is ☐

$\frac{1}{3}$ of 15 is ☐

$\frac{1}{8}$ of 16 is ☐

$\frac{1}{5}$ of 15 is ☐

This week we learned...

16
2   8

16
4   4

15
3   5
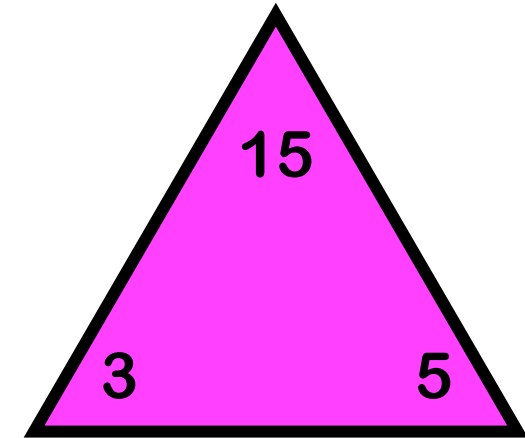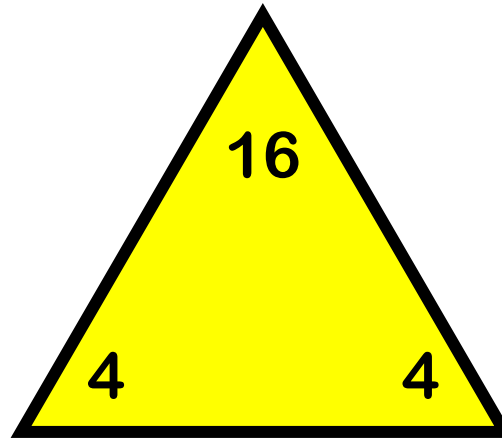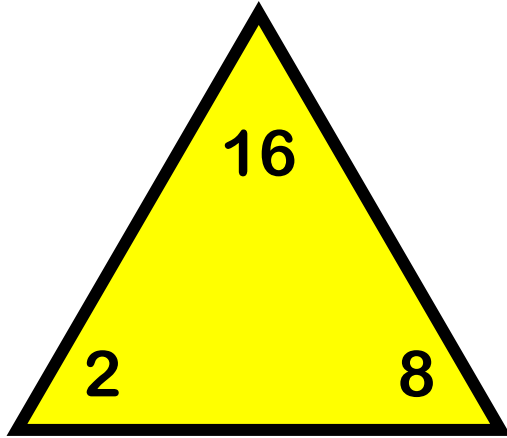
Do you remember these from last week?

12
2   ⭐

12
🔵   4

14
❤️   7