

Year 3

Multiplicative Fluency 1

Week 3

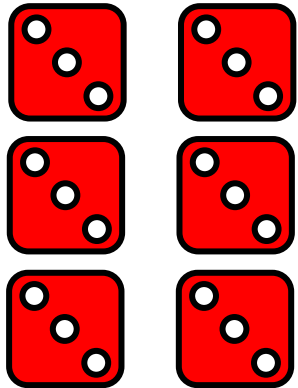
Numbers 15 and 16

Numbers of the week... 18 and 28!

Notes for teachers in school or at home:

- **This week is about learning the multiplication facts for 18 and 28.**
- **Know that 18 has 2 key facts: 2×9 and 3×6 .**
- **Relate facts for 18 to word problems.**
- **Know that 28 has 1 key fact: 4×7 .**
- **Relate 28 to 4 weeks.**
- **Know division and fraction facts for each number.**

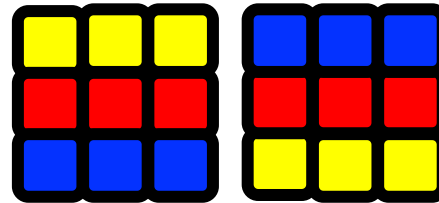
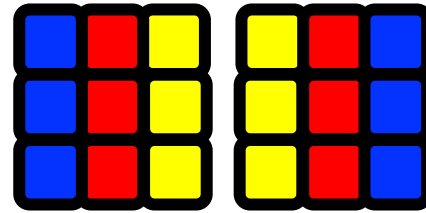
Equal groups to make 18



Look how these dice make 18.

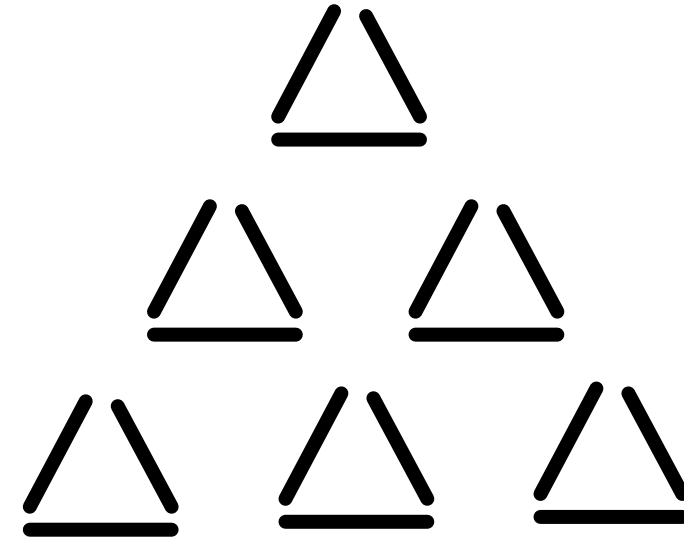
Describe the equal groups.

Can you find another way?



Make colourful patterns from two nines.

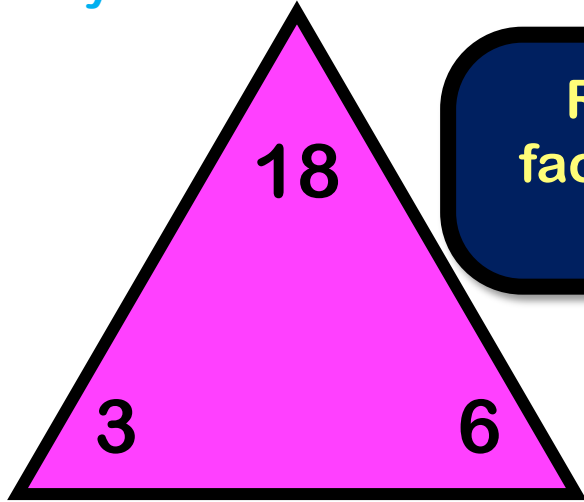
Show that double 9 is 18.



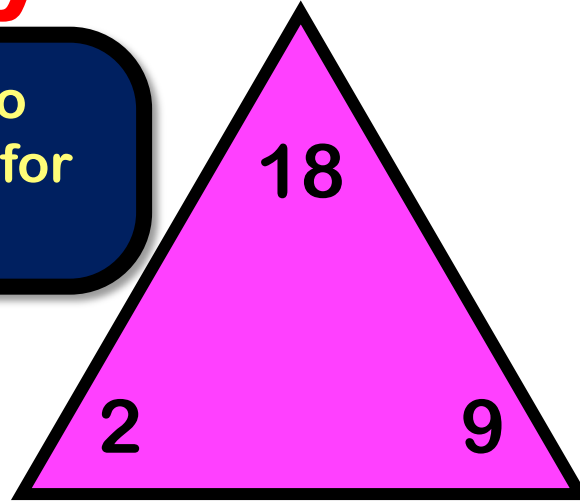
Use 18 sticks or twigs.

How many triangles can you make?

Key factors of 18



Remember two factor triangles for 18



Now you know 8 facts!

And you can solve problems.

18 sweets shared between friends. How many sweets each?

.... people pay £3. each. The total is £18. How many people?

A frog hops 18cm in total. Each hop iscm.

Make up your own.

$$\begin{array}{l} \square \times \square = \boxed{18} \\ \square \times \square = \boxed{18} \\ \boxed{18} \div \square = \square \\ \boxed{18} \div \square = \square \end{array}$$

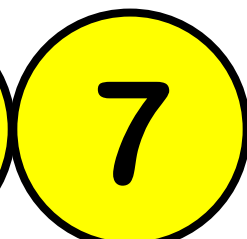
28 is a month-ish!

7 days is 1 week
14 days is 2 weeks.
...
28 days is ...

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



Double double!



Half half!

28

Can you see?

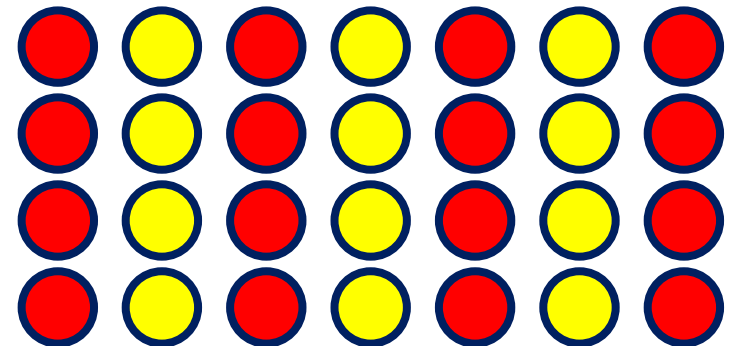
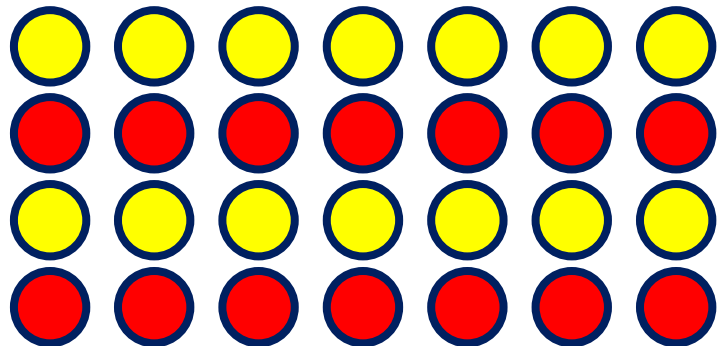
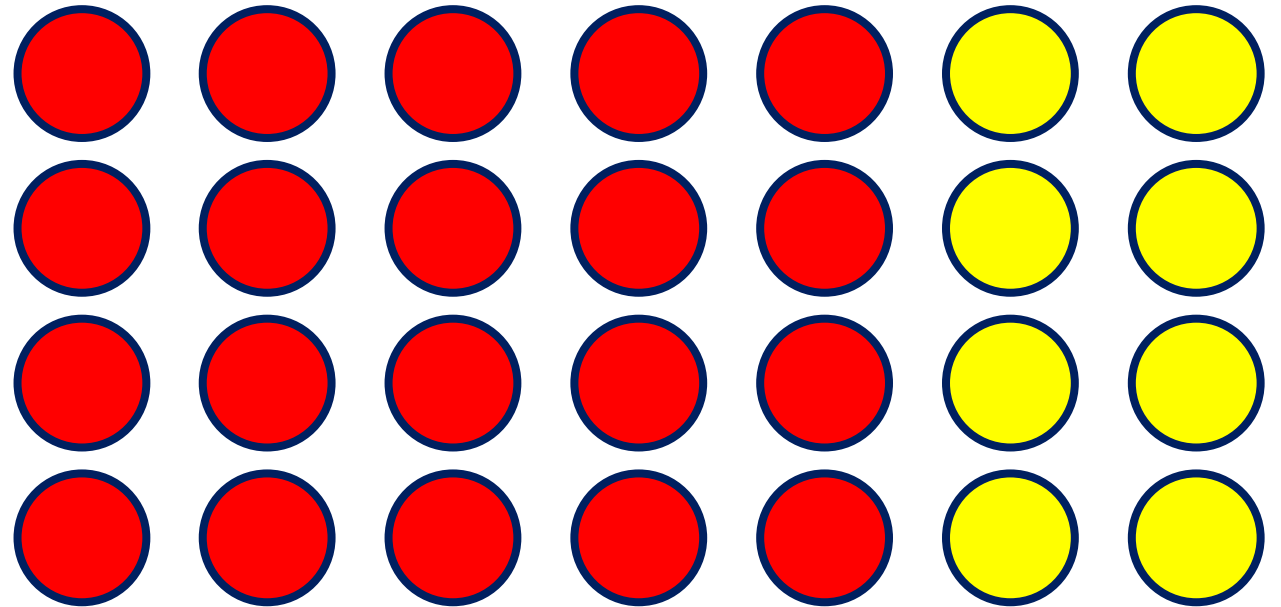
7 groups of 4

4 groups of 7

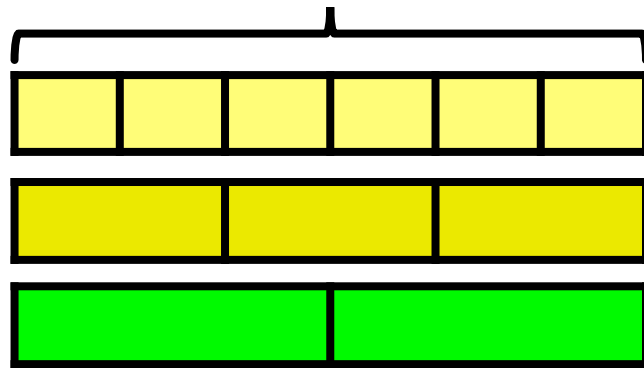
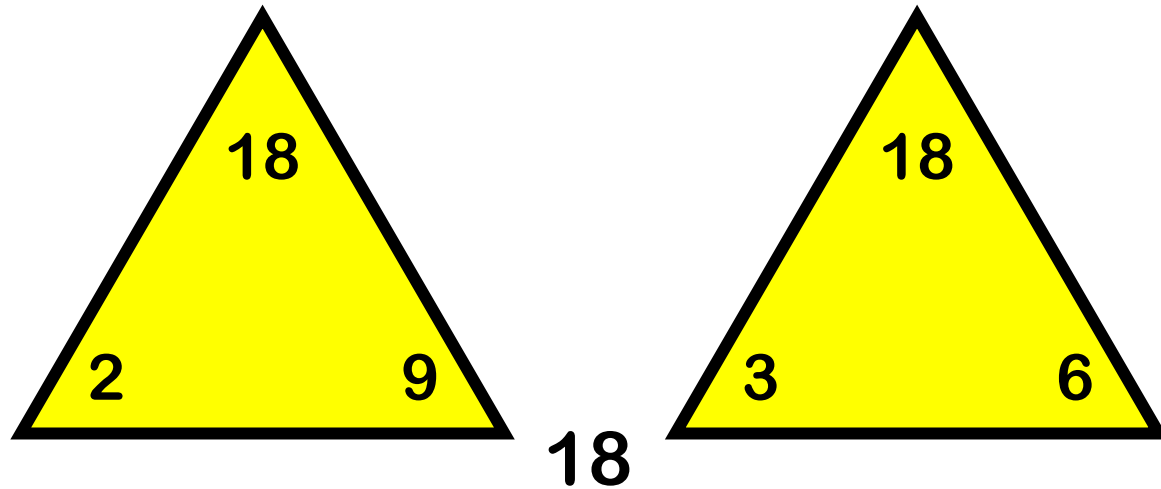
20 and 8

A quarter of 28

Double 14

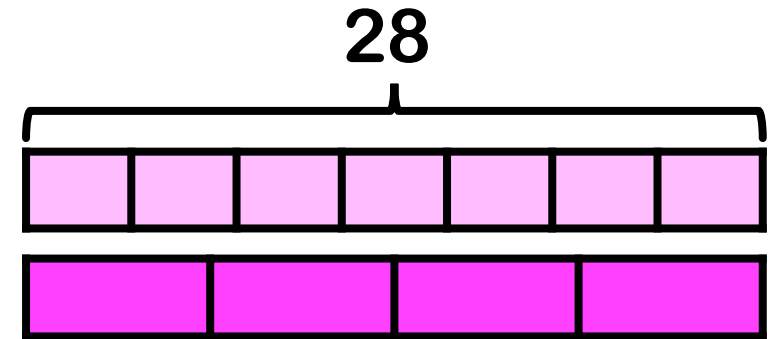
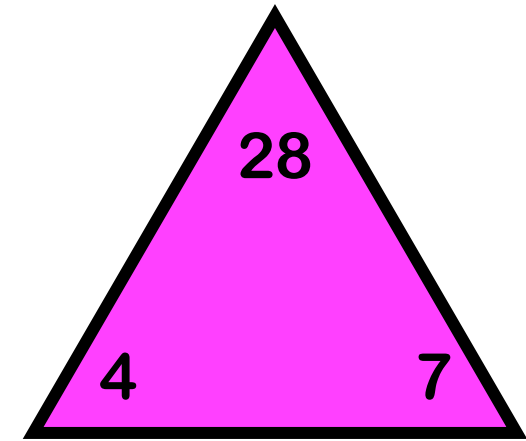


Fraction skills



$\frac{1}{2}$ of 18 is $\frac{1}{3}$ of 18 is

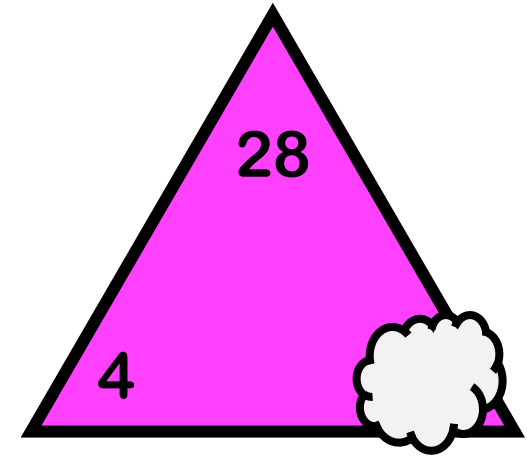
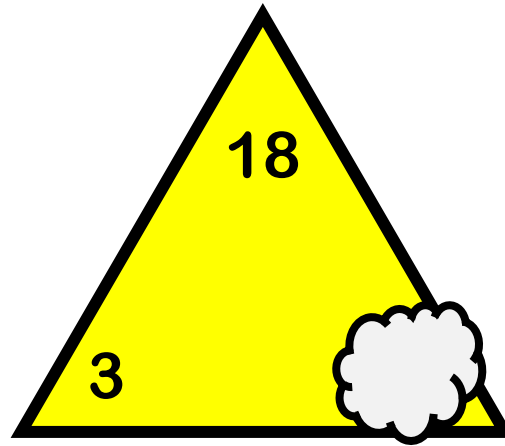
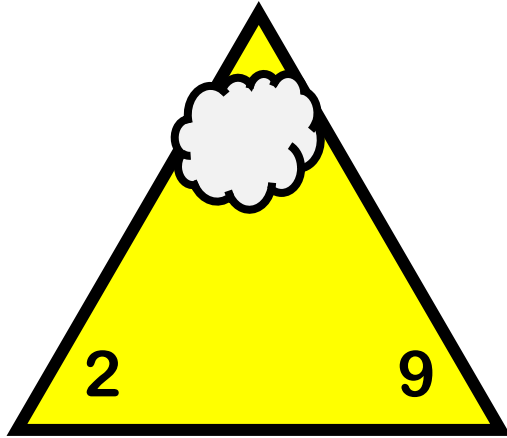
$\frac{1}{\square}$ of 18 is 3



$\frac{1}{7}$ of 28 is

$\frac{1}{4}$ of 28 is

This week we learned...



Do you remember these from earlier weeks?

