

Fireworks

Emma had some fireworks.
Some made 3 stars.
Some made 4 stars.



Altogether Emma's fireworks made 19 stars.
How many of them made 3 stars?
Find two different answers.

What if Emma's fireworks made 25 stars?
Find two different answers.



Teaching objectives

Solve mathematical problems or puzzles.
Count on in steps of 3 or 4 from zero, or from any small number.

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Work out which coins to pay.

Line of symmetry

You need:
some squared paper,
a red pen, a green pen and a blue pen.

Gopal had six squares: two red, two green, two blue.
He put them in a line.

The squares made a symmetrical pattern.

red	blue	green	green	blue	red
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Arrange six squares in a line.

Make two squares red, two green and two blue.

Make the line of squares symmetrical.

How many different lines can you make like this?

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Teaching objectives

Solve mathematical problems or puzzles.

Begin to recognise line symmetry.

Solve a problem by sorting, classifying and organising information.

Card sharp

Take ten cards numbered 0 to 9.



1. Pick three cards with a total of 12.
You can do it in 10 different ways.
See if you can record them all.
2. Now pick four cards with a total of 12.
How many different ways can you do it?
3. Can you pick five cards with a total of 12?

Teaching objectives

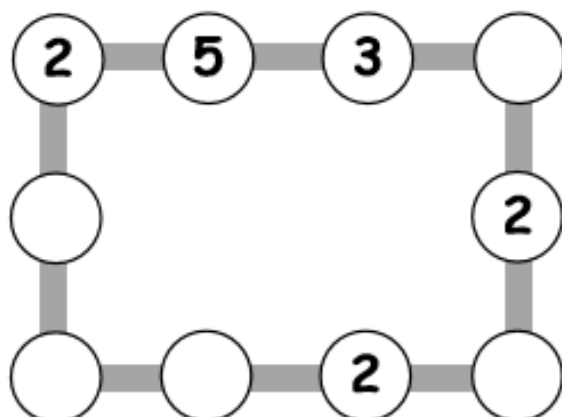
Solve mathematical problems or puzzles.

Know addition facts to at least 10.

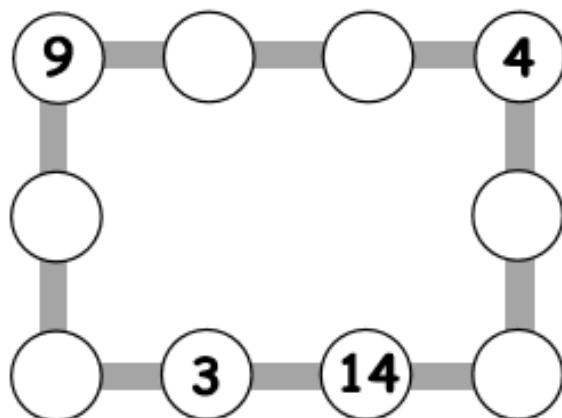
Solve a problem by sorting, classifying and organising information.

Number lines

1. Make each line add up to 16.



2. Make each line add up to 20.



3. Make up your own puzzle like this.
Ask a friend to do it.

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Teaching objectives

Solve mathematical problems or puzzles.
Know addition and subtraction facts up to 20.
Add three small numbers mentally.