



© Can I use my knowledge of the order of operations to carry out calculations?

Four in a Row Game 1

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Write the correct signs in the boxes to complete the following calculations...

$8 + 4 - 2$	<input type="text"/>	$8 - 4 + 2$
$13 \times 2 + 3$	<input type="text"/>	$13 + 2 \times 3$
$4 = 9 - 5$	<input type="text"/>	$4 - 9 + 5$

What could the missing numbers be?

$$(_ \times _) + 3 = 15$$

How did you work this out?

Are there any other possibilities?

Amir: 'I think $5 + 3 \times 4 = 32$ '
Sabira: 'No, $5 + 3 \times 4 = 17$ '

Who is right?

How do you know?

Can you put the operations in the correct order?

Division	Addition
Subtraction	Indices
Multiplication	Brackets

Can you add brackets into these calculations to make them correct?

$$15 + 3 \times 2 = 36$$

$$14 - 2 - 2 = 14$$

$$18 \div 2 + 1 = 6$$



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Four in a Row Game 2

If you go first in the Four
in a Row Game, can you
always win?
How do you know?

Bananas **I**n **D**ecember
May **A**ct **S**trangely

Can you create your own
mnemonic to remember
the order in which
operations should be
used?

Can you make all of the
numbers 0 - 10 using only
the number 3 as many
times as you like with a
range of operations?

What is the largest number
you can make from a
calculation using only
the digits and operations
below?

9 1 3 14 12 x - + ()

Write some calculations
that require **BIDMAS** to
create these answers...

101 350 222 98



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Four in a Row Game 3

Can you calculate the
answer to...

$$99 + (54 + 7^2) =$$

Fill in the missing
blanks to make these
calculations correct...

$$5 _ 45 _ 5 = -4$$

$$_ - _ \times _ = 47$$

Polly says that addition
and subtraction are
commutative.

What does she mean by
this?

Is she correct?

Prove it!

Create a poster to explain
BIDMAS using examples.

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Which symbol goes in
the box to complete this
statement?

$$3^3 - 4 \times 12 \square 18 - 121 \div 11$$