[show blobs with numbers]

Multiplying a number of two or more digits can be tricky, but there’s a special trick to make it easier!

Let’s take a quick look at a math concept that we will be using for this trick.

[distributive illustration]

By using the distributive property, we can split up the large number of an equation into smaller pieces.

[area illustration of split up numbers]

To help visualize this, we will consider these smaller pieces as chunks of a rectangle’s area.

As you can see, the rectangle is split into two.

Then we compute the area of those two rectangles.

And finally, we add these two areas together to get the area of the whole rectangle.

[show tutorial board]

[display drag instruction and visual indicator]

Let’s give it a try. Connect these two blobs to initiate the attack!

[once two blobs are connected, show distribute phase]  
[show clicking hand point gesture on the box]

Here we will be splitting the numbers up by multiples of 10’s.

Splitting up the numbers this way allows us to simply multiply single digit numbers, and just add the zeroes in the end.

Now click on the boxed number to split it!

[wait for distribute to end, show next phase: evaluate]

Here we will compute the product of each sub areas by using the numpad to type in the digits.

Since we split them up nicely, we only ever have to worry about multiplying single digit numbers.

Just remember to add the zero at the end for the number with the denomination of 10!

Once you’re happy with the number, press the enter button.

[wait for completion, show next phase: sums]

Finally, we add the numbers together to form the final product!

Once again, use the numpad to compute each digit of the number.

[final product blob, connect, clear board]

Excellent! As you can see, it’s much easier to solve an equation by splitting it up into smaller pieces.

Now you are ready to banish the blobs!

[proceed to level 1] (or level intro)

Watch out! Once the health bar is empty, you will have to start over!

Look, there’s an anomaly blob!

Connecting with this blob will allow us to clear out the entire board, and give us a bonus score.

Who knows what challenge awaits, so why not give it a try?

However, you only have one shot. Do your best!

Looks like the numbers of each area are all mixed up!

Simply drag the numbers to their appropriate place, and once you are satisfied, press the PROCEED button.

Hint: If you look closely at the size of each rectangle, and its associated width, you will know where to put the numbers.

Uh oh, some of the partial products are missing!

Use the numpad to fill in the missing numbers, then press the left or right arrows to move to the next one.

Once all the missing numbers are filled, press the ENTER button to proceed.

Just remember how you split the numbers up into multiples of 10’s like before, and you should have no problem!

[show blobs with numbers]

Here we are at the final stage, with only a handful of blobs left to banish!

This time around, we will be multiplying double digit numbers.

[double digit mult. Area illustration]

Just as we split the area up horizontally, we can also split it vertically.

[board play] (also display drag)

Now why don’t you give it a try?

[distribute phase]

Just as you have done up to this point, simply click on the boxed numbers to split them.

[evaluate phase, wait for double digit mult]

This time around, you will be multiplying two double digit numbers.

Fortunately, they are both multiples of 10.

All you need to do is multiply the two non-zero digits, and put two zeroes at the end.

[after board clear]

Nice! Even with multiplying double digits, splitting them up allows you to solve them with ease!

You will certainly have no problem dealing with the remaining blobs!