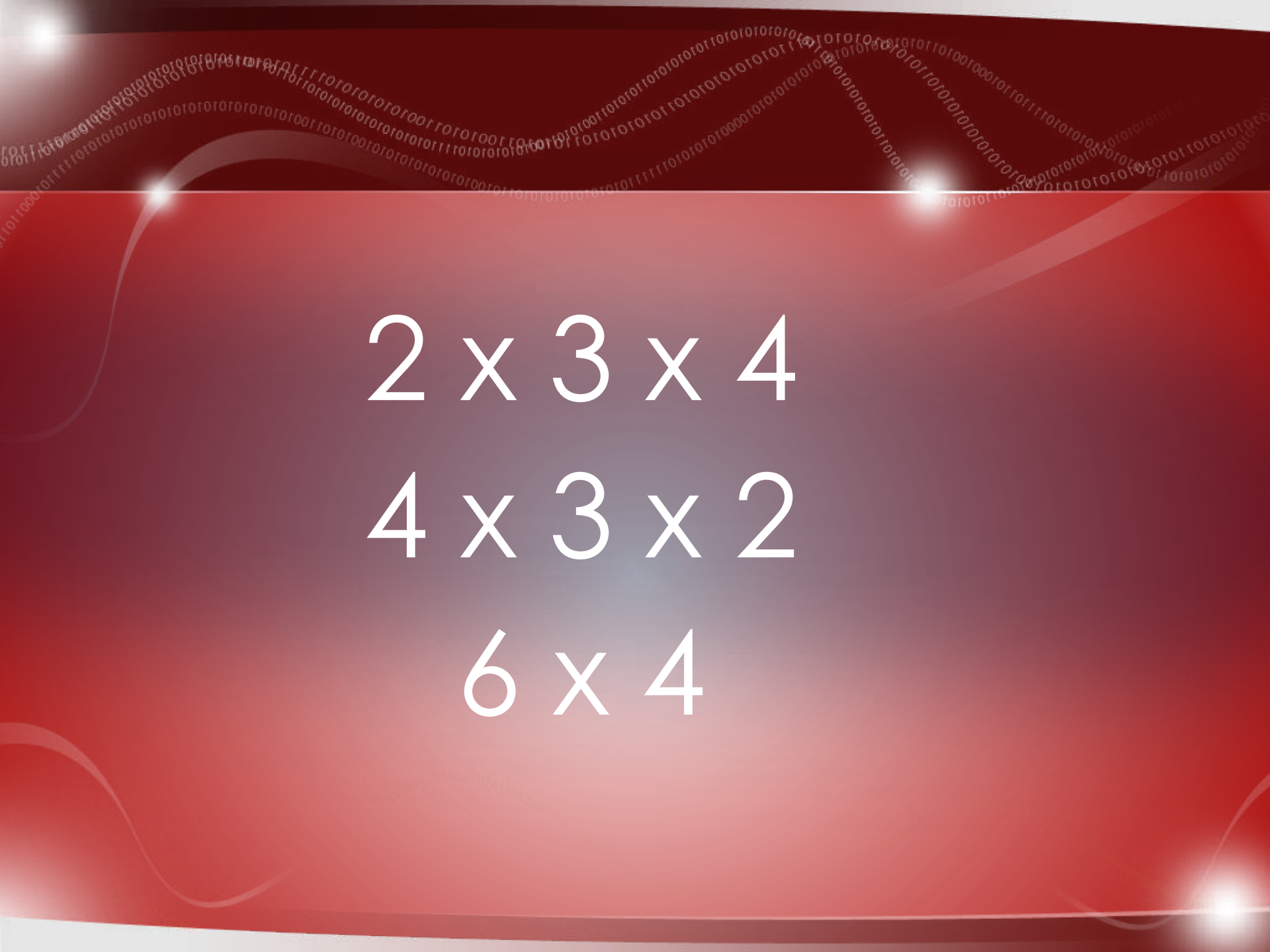




Breaking Factors into Smaller Factors

Category 1

Breaking down basic facts

The background is a deep red color with a subtle gradient. At the top, there are several curved lines of white binary code (0s and 1s) that appear to be floating or scrolling. There are also three bright, out-of-focus light sources: one in the top left, one in the top right, and one in the bottom right corner. The overall aesthetic is modern and digital.
$$2 \times 3 \times 4$$

$$4 \times 3 \times 2$$

$$6 \times 4$$

$$3 \times 2 \times 6$$

$$3 \times 3 \times 2 \times 2$$

$$2 \times 2 \times 9$$

$$6 \times 6$$

$$2 \times 3 \times 3 \times 3$$

$$3 \times 6 \times 3$$

$$9 \times 3 \times 2$$

$$6 \times 9$$

$$2 \times 3 \times 8$$

$$4 \times 2 \times 6$$

$$6 \times 8$$

$$2 \times 3 \times 2 \times 3$$

$$3 \times 3 \times 4$$

$$9 \times 2 \times 2$$

$$9 \times 4$$

$$4 \times 4 \times 2$$

$$2 \times 8 \times 2$$

$$2 \times 2 \times 2 \times 2 \times 2$$

$$4 \times 8$$


$$4 \times 3 \times 4$$

$$2 \times 2 \times 12$$

$$8 \times 3 \times 2$$

$$2 \times 2 \times 3 \times 4$$

$$12 \times 4$$

$$5 \times 2 \times 6$$

$$5 \times 4 \times 3$$

$$2 \times 2 \times 3 \times 5$$

$$5 \times 12$$

$$5 \times 2 \times 4$$

$$4 \times 5 \times 2$$

$$2 \times 2 \times 5 \times 2$$

$$8 \times 5$$

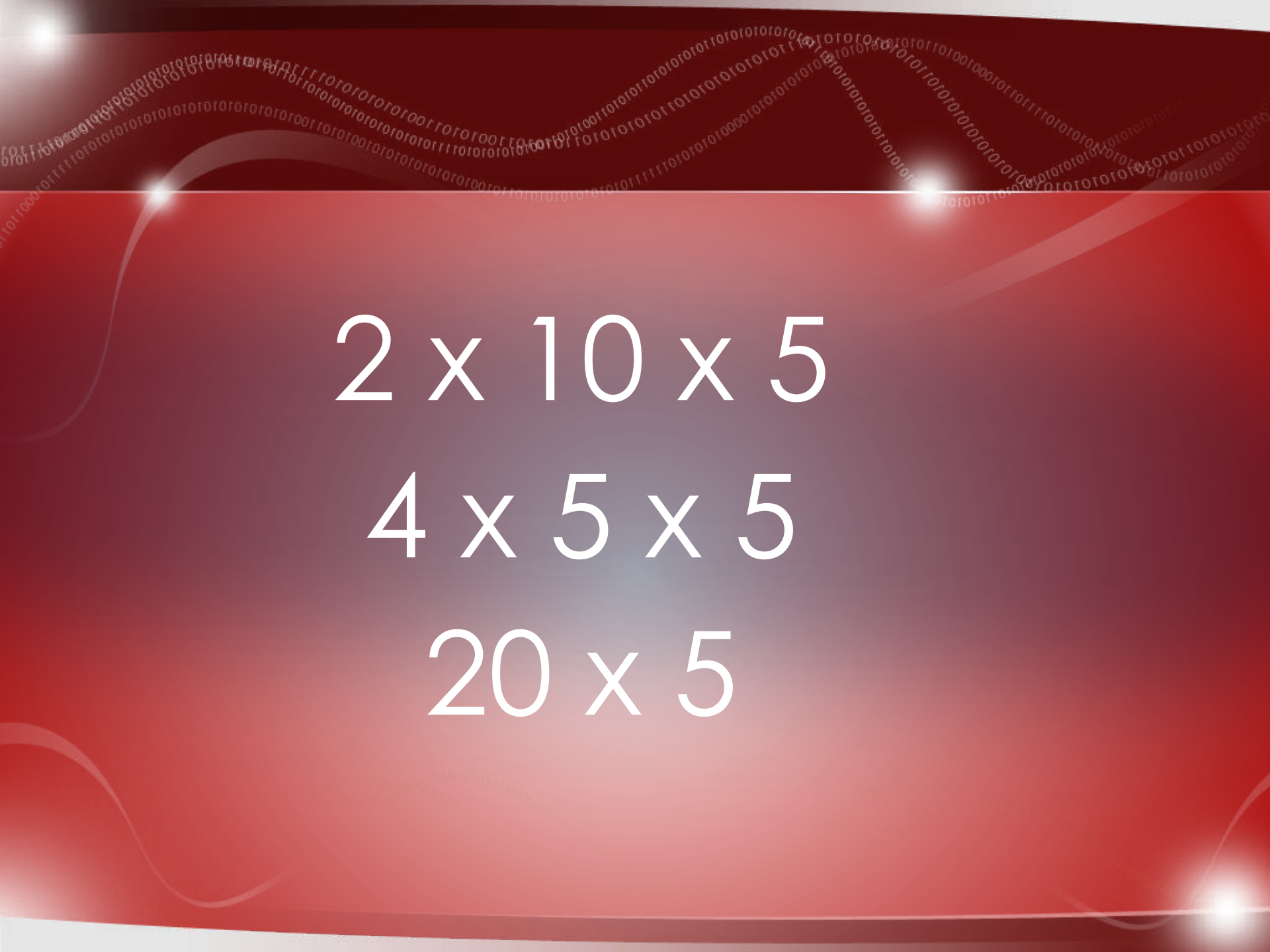
Category 2

Uses the associative property to solve 1 x 2-digit multiplication problems

$$3 \times 5 \times 4$$

$$2 \times 15 \times 2$$

$$15 \times 4$$


$$2 \times 10 \times 5$$

$$4 \times 5 \times 5$$

$$20 \times 5$$

$$4 \times 2 \times 16$$

$$4 \times 4 \times 8$$

$$2 \times 4 \times 8 \times 2$$

$$16 \times 8$$

$$5 \times 5 \times 8$$

$$2 \times 4 \times 25$$

$$2 \times 25 \times 4$$

$$25 \times 8$$

$$8 \times 9 \times 3$$

$$3 \times 24 \times 3$$

$$9 \times 12 \times 2$$

$$24 \times 9$$

$$32 \times 4 \times 2$$

$$16 \times 4 \times 4$$

$$32 \times 8$$

$$2 \times 4 \times 35$$

$$8 \times 5 \times 7$$

$$8 \times 35$$

$$8 \times 10 \times 5$$

$$50 \times 2 \times 4$$

$$25 \times 4 \times 4$$

$$50 \times 8$$

$$9 \times 10 \times 3$$

$$5 \times 6 \times 3 \times 3$$

$$15 \times 2 \times 9$$

$$30 \times 9$$

Category 3

Uses the associative property to solve 2 x 2-digit multiplication problems

$$3 \times 4 \times 25$$

$$5 \times 12 \times 5$$

$$5 \times 2 \times 25$$

$$12 \times 25$$

$$2 \times 15 \times 6$$

$$5 \times 12 \times 3$$

$$4 \times 5 \times 3 \times 3$$

$$4 \times 5 \times 9$$

$$12 \times 15$$

$$4 \times 4 \times 25$$

$$8 \times 2 \times 25$$

$$16 \times 5 \times 5$$

$$16 \times 25$$

$$2 \times 45 \times 8$$

$$5 \times 16 \times 9$$

$$4 \times 5 \times 4 \times 9$$

$$16 \times 45$$

$$6 \times 6 \times 3 \times 5$$

$$6 \times 5 \times 3 \times 6$$

$$4 \times 15 \times 9$$

$$36 \times 15$$

$$2 \times 12 \times 3 \times 5$$

$$4 \times 15 \times 6$$

$$24 \times 5 \times 3$$

$$24 \times 15$$

$$2 \times 15 \times 4 \times 3 \times 3$$

$$8 \times 5 \times 9 \times 3 \times 9$$

$$24 \times 5 \times 9$$

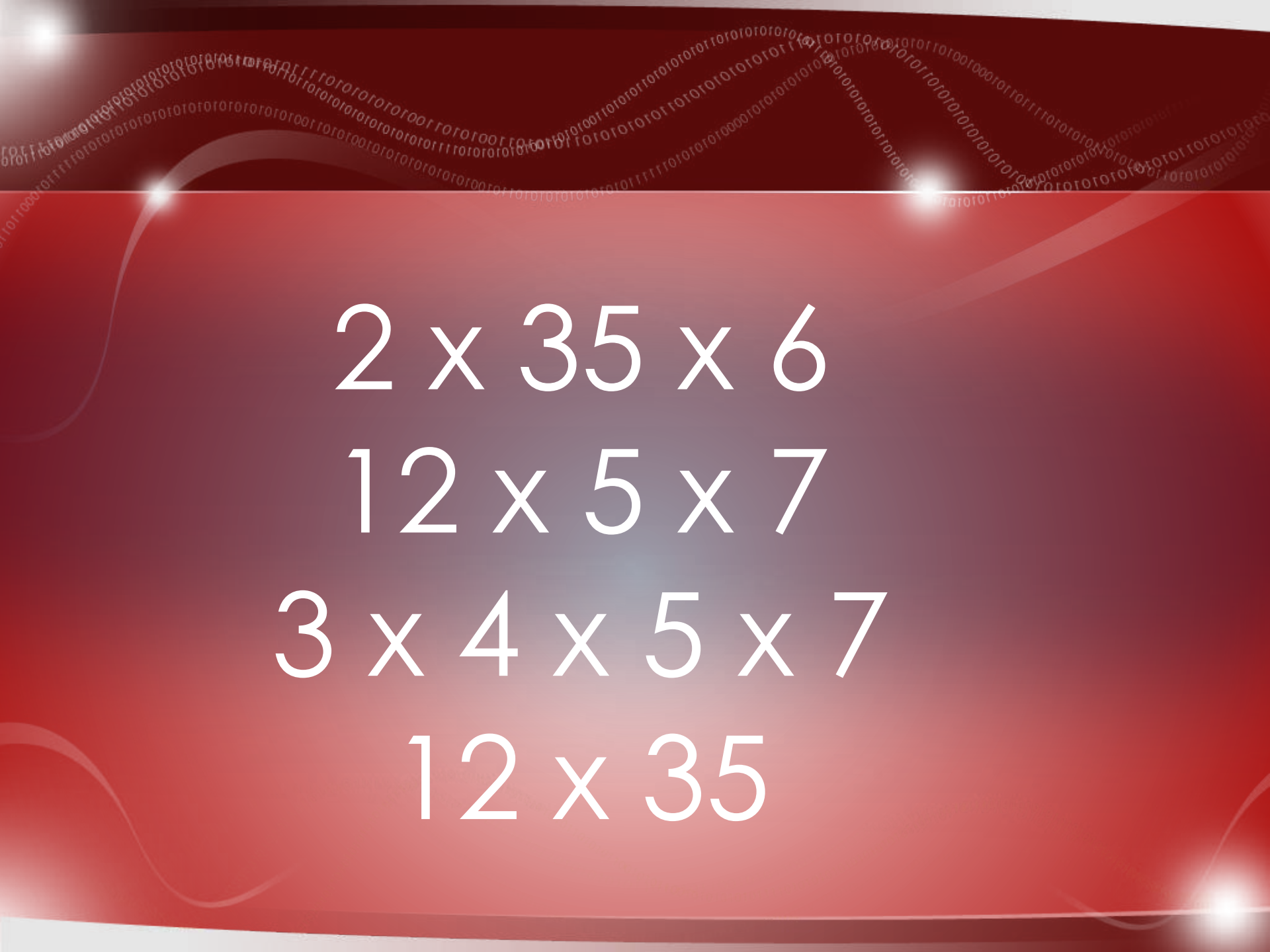
$$72 \times 15$$

$$6 \times 5 \times 7 \times 3$$

$$9 \times 5 \times 2 \times 7$$

$$7 \times 5 \times 2 \times 9$$

$$18 \times 35$$


$$2 \times 35 \times 6$$

$$12 \times 5 \times 7$$

$$3 \times 4 \times 5 \times 7$$

$$12 \times 35$$