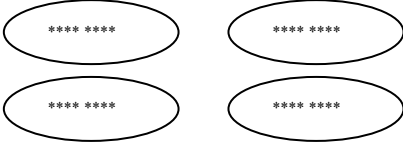
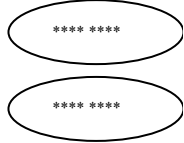


Multiplication

<p style="text-align: center;">0x</p> <p>When a factor is 0, the product is always 0.</p> <p style="text-align: center;">$0 \times 3 = 0$</p>	<p style="text-align: center;">1x</p> <p>When a factor is 1, the product is the same as the factor that is being multiplied by 1.</p> <p style="text-align: center;">$1 \times 4 = 4$</p>
<p style="text-align: center;">2x</p> <p>When a factor is 2, students need to double the other factor:</p> <p style="text-align: center;">$2 \times 12 = 24$</p> <p>They can also use addition skills:</p> <p style="text-align: center;">$10 + 10 + 2 + 2 = 24$</p>	<p style="text-align: center;">3x</p> <p>When a factors is 3, students can use their skip-counting skills:</p> <p style="text-align: center;">$3 \times 6 = 18$ (3,6,9,12,15,18)</p> <p>Or use their 2x knowledge and work from there.</p>
<p style="text-align: center;">4x</p> <p>When a factor is 4, students can start with 2 as a factor and double:</p> <div style="display: flex; align-items: center; justify-content: center;"> <div style="text-align: center;">  <p>$2 \times 8 = 16$</p> </div> <div style="margin: 0 10px;">+</div> <div style="text-align: center;">  <p>$2 \times 8 = 16$</p> </div> </div> <p style="text-align: center;">$16 + 16 = 32$</p>	<p style="text-align: center;">5x</p> <p>When a factor is 5, simply skip count by 5:</p> <p style="text-align: center;">$3 \times 5 = 15$ (5,10,15)</p> <p>Or use your 10 rule and split into half:</p> <p style="text-align: center;">$3 \times 10 = 30$ $30 \div 2 = 15$</p>
<p style="text-align: center;">6x</p> <p>When a factor is 6, students can use their x5 knowledge</p> <p style="text-align: center;">$7 \times 6 = ?$ (5,10,15,20,25,30,35) + 7 = 42</p> <p>Or use the double factor rule:</p> <p style="text-align: center;">$6 \times 6 = 36 + 6 = 42$ $7 \times 7 = 49 - 7 = 42$</p>	<p style="text-align: center;">7x</p> <p>When a factor is 7, students can use a double factor rule</p> <p style="text-align: center;">$7 \times 7 = 49$ so $7 \times 6 = 49 - 7$ and $7 \times 8 = 49 + 7$</p> <p>Or find a starting point and work from there:</p> <p style="text-align: center;">$7 \times 2 = 14,$ $7 \times 4 = 28,$ $7 \times 8 = 56$</p>
<p style="text-align: center;">8x</p> <p>When a factor is 8 use the double factor rule:</p> <p style="text-align: center;">$8 \times 8 = 64$ so $8 \times 7 = 64 - 8$ and $8 \times 9 = 64 + 8$</p> <p>Or use their 4x knowledge and double again:</p> <p style="text-align: center;">$8 \times 4 = ?$ $8 + 8 = 16$ $16 + 16 = 32$ $32 + 32 = 64$</p>	<p style="text-align: center;">9x</p> <p>When a factor is 9, students can multiply by 10 and subtract the factor being multiplied by 9:</p> <p style="text-align: center;">$9 \times 7 = ?$ $10 \times 7 = 70 - 7 = 63$ $9 \times 7 = 63$</p>