

COMPUTATIONAL FLUENCY CHALLENGE: EVEN AND ODD

Gaining fluency with multiplication and division takes practice. Try to complete these challenges without any errors. Use a separate sheet of paper.

EVENS	ODDS
<p>Begin with any single digit whole number. We will call this the <u>start number</u>.</p>	<p>Begin with any single digit whole number. We will call this the <u>start number</u>.</p>
<p>Part 1:</p>	<p>Part 1:</p>
<ul style="list-style-type: none">• Multiply the start number by 2.• Multiply that result by 4.• Multiply that result by 6.• Multiply that result by 8.	<ul style="list-style-type: none">• Multiply the start number by 3.• Multiply that result by 5.• Multiply that result by 7.• Multiply that result by 9.
<p>You should have a <u>big number</u> now!</p>	<p>You should have a <u>big number</u> now!</p>
<p>My start number was _____.</p>	<p>My start number was _____.</p>
<p>After performing multiplications, my <u>big number</u> is _____.</p>	<p>After performing multiplications, my <u>big number</u> is _____.</p>
<p>Part 2:</p>	<p>Part 2:</p>
<p>Challenge A: Begin with your <u>big number</u>.</p>	<p>Challenge A: Begin with your <u>big number</u>.</p>
<ul style="list-style-type: none">• Divide your big number by 2.• Divide that result by 4.• Divide that result by 6.• Divide that result by 8.	<ul style="list-style-type: none">• Divide your big number by 3.• Divide that result by 5.• Divide that result by 7.• Divide that result by 9.
<p>After dividing I got _____.</p>	<p>After dividing I got _____.</p>
<p>Part 3:</p>	<p>Part 3:</p>
<p>Challenge B: Start with your same <u>big number</u>.</p>	<p>Challenge B: Start with your same <u>big number</u>.</p>
<ul style="list-style-type: none">• Divide your <u>big number</u> by 16.• Divide that result by 24.	<ul style="list-style-type: none">• Divide your <u>big number</u> by 21.• Divide that result by 45.
<p>After dividing I got _____.</p>	<p>After dividing I got _____.</p>
<p>Did you get the same results for Challenge A and Challenge B? Explain why you think this happened.</p>	<p>Did you get the same results for Challenge A and Challenge B? Explain why you think this happened.</p>