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
Begin with any single digit whole number. We will call this the <u>start number</u>.	Begin with any single digit whole number. We will call this the <u>start number</u>.

EVENS

Part 1:

- Multiply the start number by 2.
- Multiply that result by 4.
- Multiply that result by 6.
- Multiply that result by 8.

You should have a <u>big number</u> now!)

My start number was _____.

After performing multiplications, my <u>big number</u> is _____.

Part 2:

Challenge A: Begin with your <u>big number</u>.
- Divide your big number 2.
- Divide that result by 4.
- Divide that result by 6.
- Divide that result by 8.

After dividing I got _____.

Part 3:

Challenge B: Start with your same <u>big number</u>.
- Divide your <u>big number</u> by 16.
- Divide that result by 24.

After dividing I got _____.

Did you get the same results for Challenge A and Challenge B? Explain why you think this happened.

ODDS

Part 1:

- Multiply the start number by 3.
- Multiply that result by 5.
- Multiply that result by 7.
- Multiply that result by 9.

You should have a <u>big number</u> now!)

My start number was _____.

After performing multiplications, my <u>big number</u> is _____.

Part 2:

Challenge A: Begin with your <u>big number</u>.
- Divide your big number 3.
- Divide that result by 5.
- Divide that result by 7.
- Divide that result by 9.

After dividing I got _____.

Part 3:

Challenge B: Start with your same <u>big number</u>.
- Divide your <u>big number</u> by 21.
- Divide that result by 45.

After dividing I got _____.

Did you get the same results for Challenge A and Challenge B? Explain why you think this happened.