

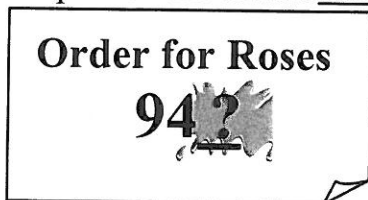
Divisibility Practice

1) IF the given number IS divisible by the divisor, check the box and write specific evidence to prove divisibility. IF the given number is NOT divisible by the divisor, leave the box blank.

Dividend	2	3	4	5	6	9	10
<i>Example</i> a) 78	<input checked="" type="checkbox"/> 8 is even	<input checked="" type="checkbox"/> $7+8=15$ $15/3 = 5$	<input type="checkbox"/>	<input type="checkbox"/>	<input checked="" type="checkbox"/> div by 2 & 3	<input type="checkbox"/>	<input type="checkbox"/>
b) 644	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c) 135	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d) 558	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e) 87	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f) 700	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

2) Create a 3-digit number (OR 4-digit challenge) that **IS** divisible by 2, 4, and 10 but **IS NOT** by 3.

3) An order for more than 900 roses was placed on the counter at a flower shop. The roses were to be divided equally and delivered to 3 different locations. However, the clerk spilled water on part of the order. Using your divisibility rules, help them find the missing digit. Explain.



4) A farmer is selling bags of apples where each bag contains the same number of apples. He could sell the apples in bags of 2, 3, 5, 6, 9, or 10 **without having any left over**. Using divisibility rules, how many apples could the farmer have? Explain.

120 apples

150 apples

175 apples

180 apples