

Name #

KEY

Was it a Leap Year?

Leap Years occur in years that are divisible by 4. Use your divisibility rules to decide if each year was a Leap Year. Write yes if it was a Leap Year and no if it wasn't. Hints are at the bottom of the page if you need them.

1626	<u>no</u>	1130	<u>no</u>	1952	<u>yes</u>	1659	<u>no</u>
1771	<u>no</u>	1709	<u>no</u>	1583	<u>no</u>	2009	<u>no</u>
1404	<u>yes</u>	1195	<u>no</u>	1650	<u>no</u>	1117	<u>no</u>
1099	<u>no</u>	1173	<u>no</u>	1384	<u>yes</u>	1308	<u>yes</u>
1552	<u>yes</u>	1779	<u>no</u>	1856	<u>yes</u>	1233	<u>no</u>
1471	<u>no</u>	1140	<u>yes</u>	1997	<u>no</u>	1548	<u>yes</u>
1783	<u>no</u>	1431	<u>no</u>	1206	<u>no</u>	1330	<u>no</u>
1299	<u>no</u>	1535	<u>no</u>	1353	<u>no</u>	1424	<u>yes</u>

Special case: century years

It takes a little less than $365 \frac{1}{4}$ days to orbit the sun. If we had Leap Year every 4 years, we'd get ahead of ourselves by about 3 days in every 400 years. To adjust for this, the century years only count as Leap Year if the number is divisible by 400. For example, 1900 was not a Leap Year, but 2000 was.

Decide if the year was a Leap Year. Write yes if it was and no if it wasn't.

700	<u>no</u>	800	<u>yes</u>	900	<u>no</u>	1000	<u>no</u>
1100	<u>no</u>	1200	<u>yes</u>	1300	<u>no</u>	1400	<u>no</u>
1500	<u>no</u>	1600	<u>yes</u>	1700	<u>no</u>	1800	<u>no</u>

Hints: A number is divisible by 4 if the last two digits are divisible by 4. No odd number is divisible by 4.