

# TAX REFORM IS DEMANDED

## But Sir James Whitney Refuses to Budge an Inch.

### OPPOSED TO AN OPTION.

Experience of Vancouver Proves That Municipal Taxes Can be Levied on Land Values Alone to Advantage of Everybody Who Builds.

The tax reform plank in the Liberal platform aims to bring Ontario abreast of the more progressive Provinces in one of the most essential of modern reforms. It declares for "the amendment of the Assessment Act to permit municipalities to exempt improvements from taxation, either in whole or in part."

For this greatly-needed reform nearly 300 municipalities in Ontario have petitioned, while almost 200 newspapers including, with very few exceptions, all the leading dailies, have either editorially advocated it or signed a "press petition" for its adoption. The Labor Unions of Ontario are a unit in favoring it, but the Premier of Ontario will have none of it.

There is something to warrant Sir James Whitney's uncompromising opposition every time this change has been sought by petition and by amendment to the assessment act is shown by the success of Vancouver under the full application of the system to the extent of municipal revenue requirements. Some fifteen years ago the City Council decided to encourage building by reducing the improvement tax 50 per cent. The effect became immediately apparent in the erection of large buildings where it formerly seemed more profitable to hold the land vacant or retain shacks or small structures. The effect of the change was so marked that in 1906 a further decrease of 25 per cent. was made in the tax on buildings and other improvements. There was at once another increase which was, in comparison with cities levying the old-time improvement tax, out of proportion to the increase in population.

### No Tax on Improvements.

The advance resulting has been so rapid and its cause so apparent that THE COUNCIL DECIDED AT THE MEETING OF LAST YEAR TO ELIMINATE ENTIRELY THE TAX ON BUILDINGS AND IMPROVEMENTS. Before 1906, when the average value of population was 100,000, the average value of building operations in the city of Vancouver averaged in the neighborhood of \$100,000. Following the average value of building operations increased to \$145,000, and in 1908, after the system had been applied for ten years, the average value of building operations had increased to \$284,000. When the further reduction of improvement tax was made from 50 per cent. to 25 per cent., there was a proportionate increase in building operations, the average for 1908 being \$302,660 and for 1909 \$308,117 per head. This increase in the value of building operations in the case of population from 100,000 to 139,000 in 1904 to over 100,000 a year ago. The record of growth is also marked by a decided improvement in the case of building, especially in the case of granite and steel construction. Builders no longer fear the assessor.

### Change Caused No Disturbance.

The change in Vancouver was not spasmodic, nor did its results entail any violent fluctuations. In 1887, with a population of 8,000, the value of improvements in the municipality was \$182,235, and the site was valued at \$346,842. In 1891 the population was 12,845, the improvements valued at \$1,501,685, and the land values \$10,477,428. The entire exemption of buildings and other improvements was applied in 1910, and in that year the land assessment advanced from \$78,881,820 to \$98,777,788, and the improvement assessment from \$19,374,415 to \$37,845,260, the gain in both cases being in the neighborhood of 28 per cent.

### The System Spreads Rapidly.

This experience is impressing elsewhere the value of liberty to experiment. ALL THE PROVINCES OF BRITISH COLUMBIA, ALBERTA AND SASKATCHEWAN HAVE NOW THE POWER TO ADOPT THE VANCOUVER SYSTEM. Other parts of it in New Zealand and New South Wales and some of the other Australian States they have similar powers, and they are taking full advantage of them. Winnipeg has already cut one-third off the assessment of real estate improvements, Edmonton, Regina and other progressive western cities are all taking land values more heavily than improvements, while Victoria taxes land values only. Everywhere an Ontario advancement is apparent.

### The Progressive West.

What is happening in the west is very well illustrated by the following letter from A. E. Chivers, City Clerk of Regina, to A. B. Farmer, Secretary of the Tax Reform League of Canada: "Ever since the Province of Saskatchewan was inaugurated the taxation on realty has been for land at its fair actual value, and for improvements thereon at 60 per cent. of their actual value. At the last session of the Saskatchewan Legislature, on the representations of this city and also of the Union of Saskatchewan Municipalities, the act was amended providing that assessment of improvements might be reduced by an amount equal to 15 per cent. each year, the amendment being made by way of providing in the following words: 'Provided that the assessment of buildings and improvements should not in any year be reduced below the assessment of same for the previous year by a greater amount than 15 per cent. of the fair actual value of such buildings and improvements.' This city immediately took advantage of this legislation, and this year buildings and improvements are assessed at 47 per cent. of their actual value. It is the intention, in the course of another three years, to increase the rate of their actual value to 30 per cent. It is considered advisable

# THE NEED FOR TECHNICAL TRAINING

## Whitney Government Ignored it Entirely for Years.

### MR. MACKAY'S INDICTMENT.

Government Forced to Take Action as a Result of His Demand—Many Young Men and Women Have Been Graciously Handicapped.

The Liberal party favors more liberal grants in aid of primary education and the promotion of industrial training and technical instruction in urban and rural communities.

### A Little Rebellion.

Conservatives are beginning to break loose from Sir James Whitney on the tax reform issue. The Ottawa Journal, a Conservative paper, commenting on the fact that J. A. Ellis and Controller Champagne, Conservative candidates for city, have pledged themselves to vote for a tax reform "option," says: "If the Journal were opposed to the principle of building values than of land values, STILL WE THINK WE COULD SUMMON UP COURAGE ENOUGH TO LET THE PEOPLE DECIDE FOR THEMSELVES. However, needless to repeat, the Journal is in favor of the principle, in common, we think with most people in the province, certainly in common with most business men. Nearly twenty years ago, then the City Assessor Pratt, a conservative and able man, with a long experience of civic assessment and long taxation, addressed the Board of Trade with a strong plea for assessment of land in preference to assessment of improvements; after which the Board of Trade passed a resolution unanimously approving of his views."

# DEARTH OF COMPETENT SCHOOL TEACHERS

## Extraordinary Figures Showing How Great a Proportion of the Teachers of Ontario Are Without Any Sufficient Qualification.

If and when they are returned to power the Liberal members of the Legislature propose to make more liberal grants in aid of primary education, and with a view to increase the supply and efficiency of teachers, both male and female, they will restore the model schools.

There is no item of educational policy in any country more important than the training and certification of public school teachers. If the State undertakes to make a certain amount of public school instruction obligatory on parents and children, the State must be held bound to see that those who impart the instruction are competent to do the work. It is the height of tyrannical cruelty to require a parent to send his children to school without some reasonable guarantee that they will not be wasting their time when they are there.

It is not possible to secure that every teacher in the public schools of Ontario shall be thoroughly qualified for the position, but it is possible to secure that every teacher shall have certain qualifications which should be regarded as an indispensable minimum. They should all have passed a written examination in certain prescribed subjects, and they should all have spent some time in getting such a professional training as wise and experienced instructors may be able within reasonable limits to impart. If they have never received such a training they will have to learn everything at the expense of the children on whom they are permitted to experiment.

Under the Ontario public school system as it has been for the last few years the intending teacher has had to pass an examination before his entrance to a Provincial normal school, where he has been spending a year in getting his professional training. Successful graduation means a permanent second-class certificate, valid in any part of the Province. Prior to the commencement of the Whitney regime the intending teacher could secure in a short session between midsummer and Christmas a certificate of professional training and on the strength of it obtain a third-class certificate good for three years. This training was played out in county model schools, many of which were well equipped or imparting it. If all of them were not so, then steps should have been taken to improve them instead of abolishing them. The teacher's training in these days was comparatively inexpensive, and after one year of successful experience he might obtain a higher grade valid for life.

The abolition of the county model schools was carried out in defiance of the protest of the teachers; especially it was pointed out that it would tend to lessen the number of properly certified teachers, and thus render it impossible to obtain a sufficient number of teachers. What was predicted years ago has been happening, and the shortage of teachers has become so large as to be a public scandal. A few weeks ago Hon. A. G. Mackay, then leader of the Opposition, called attention in a published interview to this state of affairs. "Last year," he said, "we had in the riding of East Pelee 300 teachers, and the shortage of rural schools was in the hands of untrained and non-qualified teachers, holding out what are usually called permits. These permits were in 23,000 teachers was a minimum. For the west-

# TO BUILD UP GREATER ONTARIO

## Liberal Policy of Square Deal to Northland.

### GOVERNMENT HAS SLEPT, INJUSTICE AND ANOMALY DEVELOPED THROUGH WHITNEY POLICY OF LETHARGY—PROGRESSIVE PROPOSALS OF LIBERAL LEADER.

The Liberal policy calls for the maintenance of the colonization character of the Temiskaming & Northern Ontario Railway, and the protection of shippers and settlers from inequitable rates by subjecting the railroad to regulation by the Dominion Railway Commission and the general railway law; removing just grounds of complaint by permitting actions at law against the railway without the necessity of first obtaining permission from the Attorney-General; placing the railway in the same position as other railways in the matter of payment of municipal taxes; the extension of the railway with all practicable speed to a suitable outlet to Hudson Bay, and branches as required for the development of the country.

This is a large and progressive Ontario in deed as well as in name. It means efficient, businesslike service in all departments by the People's Railway and the development of very great possibilities in the north.

### A Liberal Ideal.

The Liberal policy appeals alike to the imagination and the practical enterprise of the people of Ontario. It is a policy of vision, based upon principles of equity and sound common sense. It was a Liberal Government who, a decade ago, looked beyond and blazed the trail for a greater Ontario. It has been the Liberal Government who proposed the project of a government-built and government-operated railway that then Conservative Opposition did not receive the suggestion kindly. Amid carping criticism the great work of opening up the practically unknown hinterland was inaugurated. Sir James Whitney himself was among the severest critics and scornfully designated the district as "the land of the stunted poplar." But Liberalism persevered in its project, and the Temiskaming & Northern Ontario Railway was constructed with a view to open up the country and assist in colonizing the vast unsettled Northern country.

### Proud of the University.

"We are particularly proud of our Provincial University, the largest university to-day in the British Empire. There are possibly one or two examining bodies in the universities, such as London and Calcutta, that may be larger, but there is no federation of colleges to-day in the British Empire with practical teaching facilities of the kind that the University of Toronto has. In the whole British Empire we lead the way to-day, and I am sure Ontario is proud of the fact. It is not to be understood that I am not objecting to any of the grants referred to, but I desire clearly to point out that out of our separate schools a large number are forced to leave school without even entering the high schools, and their brow in factories, workshops and such like places. They leave, sir, at ages varying from possibly thirteen to twenty, and in the meantime the question I raise, sir, with all our boasted education, what are we doing for those lads who need our assistance in getting on their feet? The problem fairly. This is a serious question. We follow the lead through the high school, through the collegiate institution, through the university, and then we assist him in every case. We follow the young man to the Agricultural College and we make grants to assist in his studies. We follow the young man to the normal school, and we properly so, through the model and normal schools, and we make grants and assist in their education.

### A Disgrace to the Province.

"BUT, SIR, DO WE FOLLOW THE LEAD IN THE WORKSHOP OF FIFTEEN YEARS OF AGE—POOR CHAPS, THE SONS OF POOR FARMERS—DO WE FOLLOW THE LEAD OF THE AMERICAN STATES? IS A TREMENDOUS NEGATIVE. We do not—and it is a crying shame and a disgrace to this Province. In 1872, fourteen; in 1887, twelve; in 1892, ten and one-half; in 1902, eleven and one-half; in 1907, eleven and one-half; in 1908, eleven and one-half; in 1909, eleven and one-half. In 1909, seven and one-half. In 1910, seven and one-half. In 1911, seven and one-half. In 1912, seven and one-half. In 1913, seven and one-half. In 1914, seven and one-half. In 1915, seven and one-half. In 1916, seven and one-half. In 1917, seven and one-half. In 1918, seven and one-half. In 1919, seven and one-half. In 1920, seven and one-half. In 1921, seven and one-half. In 1922, seven and one-half. In 1923, seven and one-half. In 1924, seven and one-half. In 1925, seven and one-half. In 1926, seven and one-half. In 1927, seven and one-half. In 1928, seven and one-half. In 1929, seven and one-half. In 1930, seven and one-half. In 1931, seven and one-half. In 1932, seven and one-half. In 1933, seven and one-half. In 1934, seven and one-half. In 1935, seven and one-half. In 1936, seven and one-half. In 1937, seven and one-half. In 1938, seven and one-half. In 1939, seven and one-half. In 1940, seven and one-half. In 1941, seven and one-half. In 1942, seven and one-half. In 1943, seven and one-half. In 1944, seven and one-half. In 1945, seven and one-half. In 1946, seven and one-half. In 1947, seven and one-half. In 1948, seven and one-half. In 1949, seven and one-half. In 1950, seven and one-half. In 1951, seven and one-half. In 1952, seven and one-half. In 1953, seven and one-half. In 1954, seven and one-half. In 1955, seven and one-half. In 1956, seven and one-half. In 1957, seven and one-half. In 1958, seven and one-half. In 1959, seven and one-half. In 1960, seven and one-half. In 1961, seven and one-half. In 1962, seven and one-half. In 1963, seven and one-half. In 1964, seven and one-half. In 1965, seven and one-half. In 1966, seven and one-half. In 1967, seven and one-half. In 1968, seven and one-half. In 1969, seven and one-half. In 1970, seven and one-half. In 1971, seven and one-half. In 1972, seven and one-half. In 1973, seven and one-half. In 1974, seven and one-half. In 1975, seven and one-half. In 1976, seven and one-half. In 1977, seven and one-half. In 1978, seven and one-half. In 1979, seven and one-half. In 1980, seven and one-half. In 1981, seven and one-half. In 1982, seven and one-half. In 1983, seven and one-half. In 1984, seven and one-half. In 1985, seven and one-half. In 1986, seven and one-half. In 1987, seven and one-half. In 1988, seven and one-half. In 1989, seven and one-half. In 1990, seven and one-half. In 1991, seven and one-half. In 1992, seven and one-half. In 1993, seven and one-half. In 1994, seven and one-half. In 1995, seven and one-half. In 1996, seven and one-half. In 1997, seven and one-half. In 1998, seven and one-half. In 1999, seven and one-half. In 2000, seven and one-half. In 2001, seven and one-half. In 2002, seven and one-half. In 2003, seven and one-half. In 2004, seven and one-half. In 2005, seven and one-half. In 2006, seven and one-half. In 2007, seven and one-half. In 2008, seven and one-half. In 2009, seven and one-half. In 2010, seven and one-half. In 2011, seven and one-half. In 2012, seven and one-half. In 2013, seven and one-half. In 2014, seven and one-half. In 2015, seven and one-half. In 2016, seven and one-half. In 2017, seven and one-half. In 2018, seven and one-half. In 2019, seven and one-half. In 2020, seven and one-half. In 2021, seven and one-half. In 2022, seven and one-half. In 2023, seven and one-half. In 2024, seven and one-half. In 2025, seven and one-half. In 2026, seven and one-half. In 2027, seven and one-half. In 2028, seven and one-half. In 2029, seven and one-half. In 2030, seven and one-half. In 2031, seven and one-half. In 2032, seven and one-half. In 2033, seven and one-half. In 2034, seven and one-half. In 2035, seven and one-half. In 2036, seven and one-half. In 2037, seven and one-half. In 2038, seven and one-half. In 2039, seven and one-half. In 2040, seven and one-half. In 2041, seven and one-half. In 2042, seven and one-half. In 2043, seven and one-half. In 2044, seven and one-half. In 2045, seven and one-half. In 2046, seven and one-half. In 2047, seven and one-half. In 2048, seven and one-half. In 2049, seven and one-half. In 2050, seven and one-half. In 2051, seven and one-half. In 2052, seven and one-half. In 2053, seven and one-half. In 2054, seven and one-half. In 2055, seven and one-half. In 2056, seven and one-half. In 2057, seven and one-half. In 2058, seven and one-half. In 2059, seven and one-half. In 2060, seven and one-half. In 2061, seven and one-half. In 2062, seven and one-half. In 2063, seven and one-half. In 2064, seven and one-half. In 2065, seven and one-half. In 2066, seven and one-half. In 2067, seven and one-half. In 2068, seven and one-half. In 2069, seven and one-half. In 2070, seven and one-half. In 2071, seven and one-half. In 2072, seven and one-half. In 2073, seven and one-half. In 2074, seven and one-half. In 2075, seven and one-half. In 2076, seven and one-half. In 2077, seven and one-half. In 2078, seven and one-half. In 2079, seven and one-half. In 2080, seven and one-half. In 2081, seven and one-half. In 2082, seven and one-half. In 2083, seven and one-half. In 2084, seven and one-half. In 2085, seven and one-half. In 2086, seven and one-half. In 2087, seven and one-half. In 2088, seven and one-half. In 2089, seven and one-half. In 2090, seven and one-half. In 2091, seven and one-half. In 2092, seven and one-half. In 2093, seven and one-half. In 2094, seven and one-half. In 2095, seven and one-half. In 2096, seven and one-half. In 2097, seven and one-half. In 2098, seven and one-half. In 2099, seven and one-half. In 2100, seven and one-half. In 2101, seven and one-half. In 2102, seven and one-half. In 2103, seven and one-half. In 2104, seven and one-half. In 2105, seven and one-half. In 2106, seven and one-half. In 2107, seven and one-half. In 2108, seven and one-half. In 2109, seven and one-half. In 2110, seven and one-half. In 2111, seven and one-half. In 2112, seven and one-half. In 2113, seven and one-half. In 2114, seven and one-half. In 2115, seven and one-half. In 2116, seven and one-half. In 2117, seven and one-half. In 2118, seven and one-half. In 2119, seven and one-half. In 2120, seven and one-half. In 2121, seven and one-half. In 2122, seven and one-half. In 2123, seven and one-half. In 2124, seven and one-half. In 2125, seven and one-half. In 2126, seven and one-half. In 2127, seven and one-half. In 2128, seven and one-half. In 2129, seven and one-half. In 2130, seven and one-half. In 2131, seven and one-half. In 2132, seven and one-half. In 2133, seven and one-half. In 2134, seven and one-half. In 2135, seven and one-half. In 2136, seven and one-half. In 2137, seven and one-half. In 2138, seven and one-half. In 2139, seven and one-half. In 2140, seven and one-half. In 2141, seven and one-half. In 2142, seven and one-half. In 2143, seven and one-half. In 2144, seven and one-half. In 2145, seven and one-half. In 2146, seven and one-half. In 2147, seven and one-half. In 2148, seven and one-half. In 2149, seven and one-half. In 2150, seven and one-half. In 2151, seven and one-half. In 2152, seven and one-half. In 2153, seven and one-half. In 2154, seven and one-half. In 2155, seven and one-half. In 2156, seven and one-half. In 2157, seven and one-half. In 2158, seven and one-half. In 2159, seven and one-half. In 2160, seven and one-half. In 2161, seven and one-half. In 2162, seven and one-half. In 2163, seven and one-half. In 2164, seven and one-half. In 2165, seven and one-half. In 2166, seven and one-half. In 2167, seven and one-half. In 2168, seven and one-half. In 2169, seven and one-half. In 2170, seven and one-half. In 2171, seven and one-half. In 2172, seven and one-half. In 2173, seven and one-half. In 2174, seven and one-half. In 2175, seven and one-half. In 2176, seven and one-half. In 2177, seven and one-half. In 2178, seven and one-half. In 2179, seven and one-half. In 2180, seven and one-half. In 2181, seven and one-half. In 2182, seven and one-half. In 2183, seven and one-half. In 2184, seven and one-half. In 2185, seven and one-half. In 2186, seven and one-half. In 2187, seven and one-half. In 2188, seven and one-half. In 2189, seven and one-half. In 2190, seven and one-half. In 2191, seven and one-half. In 2192, seven and one-half. In 2193, seven and one-half. In 2194, seven and one-half. In 2195, seven and one-half. In 2196, seven and one-half. In 2197, seven and one-half. In 2198, seven and one-half. In 2199, seven and one-half. In 2200, seven and one-half. In 2201, seven and one-half. In 2202, seven and one-half. In 2203, seven and one-half. In 2204, seven and one-half. In 2205, seven and one-half. In 2206, seven and one-half. In 2207, seven and one-half. In 2208, seven and one-half. In 2209, seven and one-half. In 2210, seven and one-half. In 2211, seven and one-half. In 2212, seven and one-half. In 2213, seven and one-half. In 2214, seven and one-half. In 2215, seven and one-half. In 2216, seven and one-half. In 2217, seven and one-half. In 2218, seven and one-half. In 2219, seven and one-half. In 2220, seven and one-half. In 2221, seven and one-half. In 2222, seven and one-half. In 2223, seven and one-half. In 2224, seven and one-half. In 2225, seven and one-half. In 2226, seven and one-half. In 2227, seven and one-half. In 2228, seven and one-half. In 2229, seven and one-half. In 2230, seven and one-half. In 2231, seven and one-half. In 2232, seven and one-half. In 2233, seven and one-half. In 2234, seven and one-half. In 2235, seven and one-half. In 2236, seven and one-half. In 2237, seven and one-half. In 2238, seven and one-half. In 2239, seven and one-half. In 2240, seven and one-half. In 2241, seven and one-half. In 2242, seven and one-half. In 2243, seven and one-half. In 2244, seven and one-half. In 2245, seven and one-half. In 2246, seven and one-half. In 2247, seven and one-half. In 2248, seven and one-half. In 2249, seven and one-half. In 2250, seven and one-half. In 2251, seven and one-half. In 2252, seven and one-half. In 2253, seven and one-half. In 2254, seven and one-half. In 2255, seven and one-half. In 2256, seven and one-half. In 2257, seven and one-half. In 2258, seven and one-half. In 2259, seven and one-half. In 2260, seven and one-half. In 2261, seven and one-half. In 2262, seven and one-half. In 2263, seven and one-half. In 2264, seven and one-half. In 2265, seven and one-half. In 2266, seven and one-half. In 2267, seven and one-half. In 2268, seven and one-half. In 2269, seven and one-half. In 2270, seven and one-half. In 2271, seven and one-half. In 2272, seven and one-half. In 2273, seven and one-half. In 2274, seven and one-half. In 2275, seven and one-half. In 2276, seven and one-half. In 2277, seven and one-half. In 2278, seven and one-half. In 2279, seven and one-half. In 2280, seven and one-half. In 2281, seven and one-half. In 2282, seven and one-half. In 2283, seven and one-half. In 2284, seven and one-half. In 2285, seven and one-half. In 2286, seven and one-half. In 2287, seven and one-half. In 2288, seven and one-half. In 2289, seven and one-half. In 2290, seven and one-half. In 2291, seven and one-half. In 2292, seven and one-half. In 2293, seven and one-half. In 2294, seven and one-half. In 2295, seven and one-half. In 2296, seven and one-half. In 2297, seven and one-half. In 2298, seven and one-half. In 2299, seven and one-half. In 2300, seven and one-half. In 2301, seven and one-half. In 2302, seven and one-half. In 2303, seven and one-half. In 2304, seven and one-half. In 2305, seven and one-half. In 2306, seven and one-half. In 2307, seven and one-half. In 2308, seven and one-half. In 2309, seven and one-half. In 2310, seven and one-half. In 2311, seven and one-half. In 2312, seven and one-half. In 2313, seven and one-half. In 2314, seven and one-half. In 2315, seven and one-half. In 2316, seven and one-half. In 2317, seven and one-half. In 2318, seven and one-half. In 2319, seven and one-half. In 2320, seven and one-half. In 2321, seven and one-half. In 2322, seven and one-half. In 2323, seven and one-half. In 2324, seven and one-half. In 2325, seven and one-half. In 2326, seven and one-half. In 2327, seven and one-half. In 2328, seven and one-half. In 2329, seven and one-half. In 2330, seven and one-half. In 2331, seven and one-half. In 2332, seven and one-half. In 2333, seven and one-half. In 2334, seven and one-half. In 2335, seven and one-half. In 2336, seven and one-half. In 2337, seven and one-half. In 2338, seven and one-half. In 2339, seven and one-half. In 2340, seven and one-half. In 2341, seven and one-half. In 2342, seven and one-half. In 2343, seven and one-half. In 2344, seven and one-half. In 2345, seven and one-half. In 2346, seven and one-half. In 2347, seven and one-half. In 2348, seven and one-half. In 2349, seven and one-half. In 2350, seven and one-half. In 2351, seven and one-half. In 2352, seven and one-half. In 2353, seven and one-half. In 2354, seven and one-half. In 2355, seven and one-half. In 2356, seven and one-half. In 2357, seven and one-half. In 2358, seven and one-half. In 2359, seven and one-half. In 2360, seven and one-half. In 2361, seven and one-half. In 2362, seven and one-half. In 2363, seven and one-half. In 2364, seven and one-half. In 2365, seven and one-half. In 2366, seven and one-half. In 2367, seven and one-half. In 2368, seven and one-half. In 2369, seven and one-half. In 2370, seven and one-half. In 2371, seven and one-half. In 2372, seven and one-half. In 2373, seven and one-half. In 2374, seven and one-half. In 2375, seven and one-half. In 2376, seven and one-half. In 2377, seven and one-half. In 2378, seven and one-half. In 2379, seven and one-half. In 2380, seven and one-half. In 2381, seven and one-half. In 2382, seven and one-half. In 2383, seven and one-half. In 2384, seven and one-half. In 2385, seven and one-half. In 2386, seven and one-half. In 2387, seven and one-half. In 2388, seven and one-half. In 2389, seven and one-half. In 2390, seven and one-half. In 2391, seven and one-half. In 2392, seven and one-half. In 2393, seven and one-half. In 2394, seven and one-half. In 2395, seven and one-half. In 2396, seven and one-half. In 2397, seven and one-half. In 2398, seven and one-half. In 2399, seven and one-half. In 2400, seven and one-half. In 2401, seven and one-half. In 2402, seven and one-half. In 2403, seven and one-half. In 2404, seven and one-half. In 2405, seven and one-half. In 2406, seven and one-half. In 2407, seven and one-half. In 2408, seven and one-half. In 2409, seven and one-half. In 2410, seven and one-half. In 2411, seven and one-half. In 2412, seven and one-half. In 2413, seven and one-half. In 2414, seven and one-half. In 2415, seven and one-half. In 2416, seven and one-half. In 2417, seven and one-half. In 2418, seven and one-half. In 2419, seven and one-half. In 2420, seven and one-half. In 2421, seven and one-half. In 2422, seven and one-half. In 2423, seven and one-half. In 2424, seven and one-half. In 2425, seven and one-half. In 2426, seven and one-half. In 2427, seven and one-half. In 2428, seven and one-half. In 2429, seven and one-half. In 2430, seven and one-half. In 2431, seven and one-half. In 2432, seven and one-half. In 2433, seven and one-half. In 2434, seven and one-half. In 2435, seven and one-half. In 2436, seven and one-half. In 2437, seven and one-half. In 2438, seven and one-half. In 2439, seven and one-half. In 2440, seven and one-half. In 2441, seven and one-half. In 2442, seven and one-half. In 2443, seven and one-half. In 2444, seven and one-half. In 2445, seven and one-half. In 2446, seven and one-half. In 2447, seven and one-half. In 2448, seven and one-half. In 2449, seven and one-half. In 2450, seven and one-half. In 2451, seven and one-half. In 2452, seven and one-half. In 2453, seven and one-half. In 2454, seven and one-half. In 2455, seven and one-half. In 2456, seven and one-half. In 2457, seven and one-half. In 2458, seven and one-half. In 2459, seven and one-half. In 2460, seven and one-half. In 2461, seven and one-half. In 2462, seven and one-half. In 2463, seven and one-half. In 2464, seven and one-half. In 2465, seven and one-half. In 2466, seven and one-half. In 2467, seven and one-half. In 2468, seven and one-half. In 2469, seven and one-half. In 2470, seven and one-half. In 2471, seven and one-half. In 2472, seven and one-half. In 2473, seven and one-half. In 2474, seven and one-half. In 2475, seven and one-half. In 2476, seven and one-half. In 2477, seven and one-half. In 2478, seven and one-half. In 2479, seven and one-half. In 2480, seven and one-half. In 2481, seven and one-half. In 2482, seven and one-half. In 2483, seven and one-half. In 2484, seven and one-half. In 2485, seven and one-half. In 2486, seven and one-half. In 2487, seven and one-half. In 2488, seven and one-half. In 2489, seven and one-half. In 2490, seven and one-half. In 2491, seven and one-half. In 2492, seven and one-half. In 2493, seven and one-half. In 2494, seven and one-half. In 2495, seven and one-half. In 2496, seven and one-half. In 2497, seven and one-half. In 2498, seven and one-half. In 2499, seven and one-half. In 2500, seven and one-half. In 2501, seven and one-half. In 2502, seven and one-half. In 2503, seven and one-half. In 2504, seven and one-half. In 2505, seven and one-half. In 2506, seven and one-half. In 2507, seven and one-half. In 2508, seven and one-half. In 2509, seven and one-half. In 2510, seven and one-half. In 2511, seven and one-half. In 2512, seven and one-half. In 2513, seven and one-half. In 2514, seven and one-half. In 2515, seven and one-half. In 2516, seven and one-half. In 2517, seven and one-half. In 2518, seven and one-half. In 2519, seven and one-half. In 2520, seven and one-half. In 2521, seven and one-half. In 2522, seven and one-half. In 2523, seven and one-half. In 2524, seven and one-half. In 2525, seven and one-half. In 2526, seven and one-half. In 2527, seven and one-half. In 2528, seven and one-half. In 2529, seven and one-half. In 2530, seven and one-half. In 2531, seven and one-half. In 2532, seven and one-half. In 2533, seven and one-half. In 2534, seven and one-half. In 2535, seven and one-half. In 2536, seven and one-half. In 2537, seven and one-half. In 2538, seven and one-half. In 2539, seven and one-half. In 2540, seven and one-half. In 2541, seven and one-half. In 2542, seven and one-half. In 2543, seven and one-half. In 2544, seven and one-half. In 2545, seven and one-half. In 2546, seven and one-half. In 2547, seven and one-half. In 2548, seven and one-half. In 2549, seven and one-half. In 2550, seven and one-half. In 2551, seven and one-half. In 2552, seven and one-half. In 2553, seven and one-half. In 2554, seven and one-half. In 2555, seven and one-half. In 2556, seven and one-half. In 2557, seven and one-half. In 2558, seven and one-half. In 2559, seven and one-half. In 2560, seven and one-half. In 2561, seven and one-half. In 2562, seven and one-half. In 2563, seven and one-half. In 2564, seven and one-half. In 2565, seven and one-half. In 2566, seven and one-half. In 2567, seven and one-half. In 2568, seven and one-half. In 2569, seven and one-half. In 2570, seven and one-half. In 2571, seven and one-half. In 2572, seven and one-half. In 2573, seven and one-half. In 2574, seven and one