Name _____ Date _____



New Year Number Puzzles

Write the digits. What is the underlined digit worth?

1. **2027**

thousands	hundreds	tens	ones
2	0	2	7

Example

The 2 is worth **20**

2. **2140**

thousands	hundreds	tens	ones

The 1 is worth _____

3. **2398**

thousands	hundreds	tens	ones

The 3 is worth _____

4. **2065**

thousands	hundreds	tens	ones

The 6 is worth _____

5. **2501**

thousands	hundreds	tens	ones

The 2 is worth _____

6. **2914**

thousands	hundreds	tens	ones

The 9 is worth _____

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Name _____ Date _____



New Year Number Puzzles

Write each year in expanded form, in numbers and in words.

Write each year in expanded form.

1. 2027 = 2,000 + 20 + 7 Example

2. 2046 = _____ + _____ + _____

3. 2105 = _____ + _____ + _____

4. 2260 = _____ + _____ + _____

Write each year in numbers.

5. two thousand nineteen _____

6. two thousand fifty _____

7. two thousand one hundred eight _____

Write each year in words.

8. 2030 _____

9. 2072 _____

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Name _____ Date _____



New Year Number Puzzles

Use the number cards for 2027 to make 4-digit numbers.

2	0	2	7

1. The smallest number you can make **Example** **2027**
2. The biggest number you can make _____
3. The biggest odd number _____
4. The smallest even number _____
5. The number closest to **5000** _____
6. Make every 4-digit number you can with the **4** cards. Write them in order from smallest to biggest. There are **9** of them.

1. _____	2. _____	3. _____
4. _____	5. _____	6. _____
7. _____	8. _____	9. _____

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Name _____ Date _____



New Year Number Puzzles

Find the numbers around 2027. Make 2027.

Write the number that is 1, 10 or 100 more or less than 2027.

1 less (Example) 2026	1 more	10 less
10 more	100 less	100 more

Write the missing number to make 2027.

1. 2000 + ____ = 2027
2. ____ + 1000 = 2027
3. 2017 + ____ = 2027
4. ____ + 200 = 2027
5. 2030 − ____ = 2027
6. ____ − 30 = 2027
7. 1527 + ____ = 2027
8. ____ − 1000 = 2027

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Name _____ Date _____



New Year Number Puzzles

Use the number line of years to answer each question.



1. How many years is it from **2020** to **2027**?

Example

7 years

2. What year will it be **5** years after **2027**?

_____

3. What year was it **4** years before **2027**?

_____

4. A puppy was born in **2021**. How old is it on its birthday in **2027**?

_____ **years old**

5. How many years is it from **2027** to **2035**?

_____ **years**

6. Sam turns **8** in **2027**. In what year will Sam turn **16**?

_____

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Name _____ Date _____



New Year Number Puzzles

Write + or – in the circle. Then solve in columns.

1. Example

The first flight in an airplane with an engine was in **1903**. How many years is it from **1903** to **2027**?

$$\begin{array}{r} 2027 \\ -\ 1903 \\ \hline 124 \end{array}$$

124 years

2. People first walked on the moon in **1969**. How many years is it from **1969** to **2027**?

$$\begin{array}{r} 2027 \\ \bigcirc\ 1969 \\ \hline \end{array}$$

_____ years

3. Grandma was born in **1958**. How old is she on her birthday in **2027**?

$$\begin{array}{r} 2027 \\ \bigcirc\ 1958 \\ \hline \end{array}$$

_____ years old

4. Our town is **175** years old in **2027**. In what year did the town begin?

$$\begin{array}{r} 2027 \\ \bigcirc\ 175 \\ \hline \end{array}$$

_____

5. A time capsule is closed in **2027**. It will be opened **25** years later. In what year?

$$\begin{array}{r} 2027 \\ \bigcirc\ 25 \\ \hline \end{array}$$

_____

6. A bridge was built in **1937**. How many years old is it in **2027**?

$$\begin{array}{r} 2027 \\ \bigcirc\ 1937 \\ \hline \end{array}$$

_____ years old

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Name _____ Date _____



New Year Number Puzzles

Write each year in Roman numerals, then read them back.

I	V	X	L	C	D	M
1	5	10	50	100	500	1,000

A smaller letter before a bigger one is taken away: IV is **4**, IX is **9**, XL is **40**, CM is **900**.

Write each year in Roman numerals.

1. **2027** = MMXXVII Example
2. **2026** = _____
3. **2028** = _____
4. **2030** = _____
5. **2014** = _____
6. **2049** = _____

Write each Roman numeral as a year.

7. **MMXX** = _____
8. **MMXXIV** = _____
9. **MCMXCIX** = _____
10. **MMC** = _____

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Name _____ Date _____



New Year Number Puzzles

Write the digits. What is the underlined digit worth?

1. **2027**

Example

thousands	hundreds	tens	ones
2	0	2	7

The **2** is worth **20**

2. **2140**

thousands	hundreds	tens	ones

The **1** is worth _____

3. **2398**

thousands	hundreds	tens	ones

The **3** is worth _____

4. **2065**

thousands	hundreds	tens	ones

The **6** is worth _____

5. **2501**

thousands	hundreds	tens	ones

The **2** is worth _____

6. **2914**

thousands	hundreds	tens	ones

The **9** is worth _____

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Name _____ Date _____



New Year Number Puzzles

Write each year in expanded form, in numbers and in words.

Write each year in expanded form.

1. **2027 = 2,000 + 20 + 7** Example
2. **2046 = _____ + _____ + _____**
3. **2105 = _____ + _____ + _____**
4. **2260 = _____ + _____ + _____**

Write each year in numbers.

5. two thousand nineteen _____
6. two thousand fifty _____
7. two thousand one hundred eight _____

Write each year in words.

8. **2030** _____
9. **2072** _____

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Name _____ Date _____



New Year Number Puzzles

Use the number cards for 2027 to make 4-digit numbers.

2	0	2	7

1. **The smallest number you can make** Example **2027**

2. **The biggest number you can make** _____

3. **The biggest odd number** _____

4. **The smallest even number** _____

5. **The number closest to 5000** _____

6. Make every 4-digit number you can with the **4** cards. Write them in order from smallest to biggest. There are **9** of them.

1. _____	2. _____	3. _____
4. _____	5. _____	6. _____
7. _____	8. _____	9. _____

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Name _____ Date _____



New Year Number Puzzles

Find the numbers around 2027. Make 2027.

Write the number that is 1, 10 or 100 more or less than 2027.

1 less (Example) **2026**	1 more	10 less
10 more	100 less	100 more

Write the missing number to make 2027.

1. 2000 + ____ = 2027
2. ____ + 1000 = 2027
3. 2017 + ____ = 2027
4. ____ + 200 = 2027
5. 2030 − ____ = 2027
6. ____ − 30 = 2027
7. 1527 + ____ = 2027
8. ____ − 1000 = 2027

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Name _____ Date _____



New Year Number Puzzles

Use the number line of years to answer each question.



1. How many years is it from **2020** to **2027**?

Example: **7** **years**

2. What year will it be **5** years after **2027**? _____

3. What year was it **4** years before **2027**? _____

4. A puppy was born in **2021**. How old is it on its birthday in **2027**? _____ **years old**

5. How many years is it from **2027** to **2035**? _____ **years**

6. Sam turns **8** in **2027**. In what year will Sam turn **16**? _____

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Name _____ Date _____



New Year Number Puzzles

Write + or – in the circle. Then solve in columns.

1. Example

The first flight in an airplane with an engine was in **1903**. How many years is it from **1903** to **2027**?

2027
(–) 1903
124

124 years

2. People first walked on the moon in **1969**. How many years is it from **1969** to **2027**?

2027
◯ 1969

_____ years

3. Grandma was born in **1958**. How old is she on her birthday in **2027**?

2027
◯ 1958

_____ years old

4. Our town is **175** years old in **2027**. In what year did the town begin?

2027
◯ 175

_____

5. A time capsule is closed in **2027**. It will be opened **25** years later. In what year?

2027
◯ 25

_____

6. A bridge was built in **1937**. How many years old is it in **2027**?

2027
◯ 1937

_____ years old

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Name _____ Date _____



New Year Number Puzzles

Write each year in Roman numerals, then read them back.

I	V	X	L	C	D	M
1	5	10	50	100	500	1,000

A smaller letter before a bigger one is taken away: IV is **4**, IX is **9**, XL is **40**, CM is **900**.

Write each year in Roman numerals.

1. **2027** = MMXXVII Example
2. **2026** = _____
3. **2028** = _____
4. **2030** = _____
5. **2014** = _____
6. **2049** = _____

Write each Roman numeral as a year.

7. **MMXX** = _____
8. **MMXXIV** = _____
9. **MCMXCIX** = _____
10. **MMC** = _____

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New Year Number Puzzles

Write the digits. What is the underlined digit worth?

1. **2027**

thousands	hundreds	tens	ones
2	0	2	7

Example

The **2** is worth **20**

2. **2140**

thousands	hundreds	tens	ones
2	1	4	0

The **1** is worth **100**

3. **2398**

thousands	hundreds	tens	ones
2	3	9	8

The **3** is worth **300**

4. **2065**

thousands	hundreds	tens	ones
2	0	6	5

The **6** is worth **60**

5. **2501**

thousands	hundreds	tens	ones
2	5	0	1

The **2** is worth **2,000**

6. **2914**

thousands	hundreds	tens	ones
2	9	1	4

The **9** is worth **900**

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New Year Number Puzzles

Write each year in expanded form, in numbers and in words.

Write each year in expanded form.

1. **2027** = 2,000 + 20 + 7 Example
2. **2046** = 2,000 + 40 + 6
3. **2105** = 2,000 + 100 + 5
4. **2260** = 2,000 + 200 + 60

Write each year in numbers.

5. two thousand nineteen — 2019
6. two thousand fifty — 2050
7. two thousand one hundred eight — 2108

Write each year in words.

8. **2030** — two thousand thirty
9. **2072** — two thousand seventy-two

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New Year Number Puzzles

Use the number cards for 2027 to make 4-digit numbers.

2	0	2	7

1. The smallest number you can make (Example) **2027**
2. The biggest number you can make **7220**
3. The biggest odd number **2207**
4. The smallest even number **2072**
5. The number closest to **5000** **7022**

6. Make every 4-digit number you can with the **4** cards. Write them in order from smallest to biggest. There are **9** of them.

1. **2027**	2. **2072**	3. **2207**
4. **2270**	5. **2702**	6. **2720**
7. **7022**	8. **7202**	9. **7220**

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New Year Number Puzzles

Find the numbers around 2027. Make 2027.

Write the number that is 1, 10 or 100 more or less than 2027.

1 less (Example) **2026**	1 more **2028**	10 less **2017**
10 more **2037**	100 less **1927**	100 more **2127**

Write the missing number to make 2027.

1. 2000 + 27 = 2027
2. 1027 + 1000 = 2027
3. 2017 + 10 = 2027
4. 1827 + 200 = 2027
5. 2030 − 3 = 2027
6. 2057 − 30 = 2027
7. 1527 + 500 = 2027
8. 3027 − 1000 = 2027

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New Year Number Puzzles

Use the number line of years to answer each question.



1. How many years is it from **2020** to **2027**? Example **7** years

2. What year will it be **5** years after **2027**? **2032**

3. What year was it **4** years before **2027**? **2023**

4. A puppy was born in **2021**. How old is it on its birthday in **2027**? **6** years old

5. How many years is it from **2027** to **2035**? **8** years

6. Sam turns **8** in **2027**. In what year will Sam turn **16**? **2035**

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New Year Number Puzzles

Write + or – in the circle. Then solve in columns.

1. Example

The first flight in an airplane with an engine was in **1903**. How many years is it from **1903** to **2027**?

2027
– 1903
124

124 years

2. People first walked on the moon in **1969**. How many years is it from **1969** to **2027**?

2027
– 1969
58

58 years

3. Grandma was born in **1958**. How old is she on her birthday in **2027**?

2027
– 1958
69

69 years old

4. Our town is **175** years old in **2027**. In what year did the town begin?

2027
– 175
1852

1852

5. A time capsule is closed in **2027**. It will be opened **25** years later. In what year?

2027
+ 25
2052

2052

6. A bridge was built in **1937**. How many years old is it in **2027**?

2027
– 1937
90

90 years old

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New Year Number Puzzles

Write each year in Roman numerals, then read them back.

I	V	X	L	C	D	M
1	5	10	50	100	500	1,000

A smaller letter before a bigger one is taken away: IV is **4**, IX is **9**, XL is **40**, CM is **900**.

Write each year in Roman numerals.

1. **2027** = MMXXVII Example
2. **2026** = MMXXVI
3. **2028** = MMXXVIII
4. **2030** = MMXXX
5. **2014** = MMXIV
6. **2049** = MMXLIX

Write each Roman numeral as a year.

7. **MMXX** = 2020
8. **MMXXIV** = 2024
9. **MCMXCIX** = 1999
10. **MMC** = 2100

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