Task card 1 Binary Numbers (Base 2)

Write the binary number 1010 as a decimal number.

Task card 2 Binary Numbers (Base 2)

Write 2 as a binary number.

Task card 3 Binary Numbers (Base 2)

Write the binary number 10 as a decimal number.

Task card 4 Binary Numbers (Base 2)

In a binary number, what is the place value of the 3rd digit from the right?

Task card 5 Binary Numbers (Base 2)

How many digits does 6 have when it is written in binary?

Task card 6 Binary Numbers (Base 2)

Which binary number comes right after 1110?

Task card 7 Binary Numbers (Base 2)

Compare: binary 1110 ___ 13. Write <, > or =.

Task card 8 Binary Numbers (Base 2)

Ava says the binary number 1101 is 11. What is it really, as a decimal number?

Task card 9 Binary Numbers (Base 2)

A row of 4 light bulbs shows a number in binary: on means 1 and off means 0. From left to right the bulbs are on, on, on, off. What number do they show?

Task card 10 Binary Numbers (Base 2)

Double the binary number 100. Write the answer in binary.

Task card 11 Binary Numbers (Base 2)

Write 4 as a binary number.

Task card 12 Binary Numbers (Base 2)

Write the binary number 1110 as a decimal number.

Task card 13 Binary Numbers (Base 2)

In a binary number, what is the place value of the 2nd digit from the right?

Task card 14 Binary Numbers (Base 2)

How many digits does 3 have when it is written in binary?

Task card 15 Binary Numbers (Base 2)

Which binary number comes right after 110?

Task card 16 Binary Numbers (Base 2)

Compare: binary 111 ___ 7. Write <, > or =.

Task card 17 Binary Numbers (Base 2)

Omar says the binary number 1010 is 5. What is it really, as a decimal number?

Task card 18 Binary Numbers (Base 2)

A row of 4 light bulbs shows a number in binary: on means 1 and off means 0. From left to right the bulbs are on, on, off, on. What number do they show?

Task card 19 Binary Numbers (Base 2)

Double the binary number 11. Write the answer in binary.

Task card 20 Binary Numbers (Base 2)

Write the binary number 10010 as a decimal number.

Task card 21 Binary Numbers (Base 2)

Write 29 as a binary number.

Task card 22 Binary Numbers (Base 2)

Write the binary number 11111 as a decimal number.

Task card 23 Binary Numbers (Base 2)

In a binary number, what is the place value of the 4th digit from the right?

Task card 24 Binary Numbers (Base 2)

How many digits does 27 have when it is written in binary?

Binary Numbers (Base 2) Task Cards

Recording sheet · Grade 6 · Answer each question. Binary answers use only the digits 0 and 1.

Name: _____ Date: _____

Scan to check your answers

1	2	3	4
5	6	7	8
9	10	11	12
13	14	15	16
17	18	19	20
21	22	23	24

Binary Numbers (Base 2) Task Cards: Answer Key

Grade 6 · Easy

The answers online

1. 10	**2.** 10	**3.** 2
4. 4	**5.** 3	**6.** 1111
7. >	**8.** 13	**9.** 14
10. 1000	**11.** 100	**12.** 14
13. 2	**14.** 2	**15.** 111
16. =	**17.** 10	**18.** 13
19. 110	**20.** 18	**21.** 11101
22. 31	**23.** 8	**24.** 5