

# Binary to decimal

Name \_\_\_\_\_

Date \_\_\_\_\_

Convert each binary number to decimal.

| Problem     | Answer | Problem      | Answer |
|-------------|--------|--------------|--------|
| 1. 110      |        | 9. 10001000  |        |
| 2. 11000    |        | 10. 11001011 |        |
| 3. 10100110 |        | 11. 100110   |        |
| 4. 101010   |        | 12. 100111   |        |
| 5. 1010001  |        | 13. 1110     |        |
| 6. 1010010  |        | 14. 10010100 |        |
| 7. 101001   |        | 15. 11000100 |        |
| 8. 10111111 |        | 16. 11000010 |        |

## Notes

## Answer key – Binary to decimal

| #  | Problem    | Answer |
|----|------------|--------|
| 1  | 110        | 6      |
| 2  | 11,000     | 24     |
| 3  | 10,100,110 | 166    |
| 4  | 101,010    | 42     |
| 5  | 1,010,001  | 81     |
| 6  | 1,010,010  | 82     |
| 7  | 101,001    | 41     |
| 8  | 10,111,111 | 191    |
| 9  | 10,001,000 | 136    |
| 10 | 11,001,011 | 203    |
| 11 | 100,110    | 38     |
| 12 | 100,111    | 39     |
| 13 | 1110       | 14     |
| 14 | 10,010,100 | 148    |
| 15 | 11,000,100 | 196    |
| 16 | 11,000,010 | 194    |

## Notes