

Examples



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Workout

Question 1: Write the following binary numbers as decimal numbers

- (a) 11 (b) 10 (c) 101 (d) 110
(e) 1010 (f) 1001 (g) 1100 (h) 1101

Question 2: Write the following decimal numbers as binary numbers

- (a) 4 (b) 7 (c) 8 (d) 11
(e) 14 (f) 15 (g) 16 (h) 19

Question 3: Write the following binary numbers as decimal numbers

- (a) 10101 (b) 11010 (c) 11101 (d) 100011
(e) 100110 (f) 111000 (g) 101111 (h) 111101

Question 4: Write the following decimal numbers as binary numbers

- (a) 24 (b) 30 (c) 37 (d) 45
(e) 50 (f) 49 (g) 59 (h) 63

Question 5: Write the following binary numbers as decimal numbers

- (a) 1000101 (b) 1101000 (c) 1011101 (d) 10100110

Question 6: Write the following decimal numbers as binary numbers

- (a) 130 (b) 160 (c) 175 (d) 200

Apply

Question 1: Harry is trying to write the number 24 as a binary number.

16	8	4	2	1
1	0	1	1	2

His answer is 10112

- (a) What mistake has Harry made?
- (b) What is the correct answer?

Question 2: A palindromic number is a number which is the same written forwards and backwards. For example 525 and 1881 are palindromic numbers.

India says that 33 is a palindrome when written as a decimal number and also as a binary number.

- (a) Show India is correct.

Eva says that 99 is also a palindrome when written as decimal number and as a binary number.

- (b) Show Eva is correct.

Question 3: Write today's date in

- (a) Decimal number form
- (b) Binary number form
- (c) Roman numerals

Answers



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