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

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

<table>
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<th>4</th>
<th>2</th>
<th>1</th>
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<tr>
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<td>0</td>
<td>1</td>
<td>1</td>
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</tbody>
</table>

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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