

Number

Brief history of number

Roman numerals

Symbol	I	V	X	L	C	D	M
Value	1	5	10	50	100	500	1000

1 What numbers are denoted below?

1a

X	I	V
---	---	---

 =

1b

X	C	V
---	---	---

 =

1c

X	X	X	I	X
---	---	---	---	---

 =

1d

X	L
---	---

 =

1e

C	D	X	V
---	---	---	---

 =

1f

C	M
---	---

 =

2 Convert the following into Roman Numerals:

2a 147

2b 356

2c 501

2d 725

2e 999

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How base 10 works

- 3 Put these four numbers in descending order:

42 103, 430 101, 290 010, 430 001

HTh	TTh	Th	H	T	U

Largest



Smallest

- 4 Sarah has bought a new car. It costs £13 041.
Write this number in words.

Th	H	T	U	Words

Answer:

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- 5** Mark won eleven million, sixty thousand, one hundred and sixteen pounds on the lottery. Write this amount in figures.

	M	HTh	TTh	Th	H	T	U
£							

- 6** What is the largest number you can make using these six digits below?

0, 5, 7, 8, 4, 2

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- 7** Calculate:

7a $16 + 47 =$

7b $32 + 18 =$

7c $19 + 45 =$

7d $66 + 82 =$

7e $37 + 92 =$

7f $44 + 126 =$

- 8** Calculate:

8a $66 - 4 =$

8b $78 - 3 =$

8c $49 - 7 =$

8d $72 - 21 =$

8e $47 - 25 =$

8f $88 - 36 =$

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Binary number bases

9 Convert the following binary numbers to base 10:

9a 110

110 converted to base 10 is

9b 1111

1111 converted to base 10 is

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9c 1001

1001 converted to base 10 is

9d 1101

1101 converted to base 10 is

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9e 10001

10001 converted to base 10 is

9f 11011

11011 converted to base 10 is

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10 Convert the following base 10 numbers to binary numbers:

10a 9

9 converted to binary number is

10b 8

8 converted to binary number is

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10c 14

14 converted to binary number is

10d 17

17 converted to binary number is

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10e 18

18 converted to binary number is

10f 30

30 converted to binary number is

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Other number bases

11 Convert the following numbers from base 10 to the base stated.

11a 24 to base 3

24 converted to base 3 is

11b 16 to base 4

16 converted to base 4 is

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11c 321 to base 5

321 converted to base 5 is

11d 113 to base 6

113 converted to base 6 is

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12 Convert the following numbers from base stated to base 10.

12a 412 base 5

412 base 5 converted to base 10 is

12b 333 base 4

333 base 4 converted to base 10 is

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12c 728 base 9

728 base 9 converted to base 10 is

12d 1210 base 3

1210 base 3 converted to base 10 is