

Puzzle of the Week

Combining Digits – Four 4's

Here are some ways to get 0 and 1 using four 4's.

$$0 = 4 - 4 + 4 - 4$$

$$0 = 44 - 44$$

$$1 = 4 / 4 * 4 / 4$$

$$1 = 4 / 4 + 4 - 4$$

$$1 = 44 / 44$$

THE CHALLENGE: How many numbers can you get using four 4's using addition, subtraction, multiplication, division and creating double-digit numbers?

Puzzle of the Week

Combining Digits – Four 4's – Notes

THE CHALLENGE: Here are some solutions, with a few missing, from 0 to 16. Of course, there are many more. Have fun comparing different people's solutions!

$$0 = 4 - 4 + 4 - 4$$

$$1 = 4 / 4 + 4 - 4$$

$$2 = 4 / 4 + 4 / 4$$

$$3 = (4 + 4 + 4) / 4$$

$$4 = 4 + ((4 - 4) * 4)$$

$$5 = (4 * 4 + 4) / 4$$

$$6 = 4 + (4 + 4) / 4$$

$$7 = 4 + 4 - (4 / 4)$$

$$8 = (4 + 4) + 4 - 4$$

$$9 = 4 + 4 + (4 / 4)$$

$$10 = (44 - 4) / 4$$

$$11 =$$

$$12 = 4 * (4 - 4 / 4)$$

$$13 =$$

$$14 =$$

$$15 = 4 * 4 - (4 / 4)$$

$$16 = 4 * 4 + 4 - 4$$