

***** **Mathematical Weekly** *****
(week eight)

What can we do with four 4's ???

$$1 = (4 \times 4) / (4 \times 4)$$

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

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

$$4 = 4 \times (4 - 4) + 4$$

$$5 = (4 \times 4 + 4) / 4$$

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

$$7 = 44/4 - 4$$

$$8 = 4 + 4 + 4 - 4$$

$$9 = 4 + 4 + 4/4$$

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

$$11 = (44) / (\sqrt{4} + \sqrt{4})$$

$$12 = (44 + 4) / 4$$

$$13 = (44) / 4 + \sqrt{4}$$

$$14 = 4 + 4 + 4 + \sqrt{4}$$

$$15 = (44) / (4 + 4)$$

$$16 = 4 + 4 + 4 + 4$$

$$17 = 4 \times 4 + 4/4$$

$$18 = 4 \times 4 + 4 - \sqrt{4}$$

$$19 = 4! - 4 - 4/4$$

$$20 = 4 \times 4 + \sqrt{4} + \sqrt{4}$$