

***** **Mathematical Weekly** *****
(Week 23)

Let {1, 2, 3, 4, 5, 6, 7, 8, 9} play with 6:

$$(1+1+1)! = 6$$

$$2+2+2 = 6$$

$$3 \times 3 - 3 = 6$$

$$\sqrt{4} + \sqrt{4} + \sqrt{4} = 6$$

$$5 \div 5 + 5 = 6$$

$$6 - 6 + 6 = 6$$

$$7 - 7 \div 7 = 6$$

$$\sqrt[3]{8} + \sqrt[3]{8} + \sqrt[3]{8} = 6$$

$$\sqrt{9} \times \sqrt{9} - \sqrt{9} = 6$$