Leading Aces Academy

Are you ready to start MC10?
Self-Assessment Test

Calculator is not allowed!

1. Compute

   (a) 305×12

   (b) 51×319

   (c) $996 \div 12$

   (d) $22294 \div 71$

   (e) $-2 + 6 + (-5)$

   (f) $19 - (-13)$

   (g) $-23 + (-61)$

   (h) $(-7) \times 11$

   (i) $(-5) \times (-8)$

   (j) $48 \div (-6)$

   (k) $\frac{2}{7} + \frac{3}{7}$

   (l) $\frac{3}{8} + \frac{5}{8}$

   (m) $\frac{7}{9} - \frac{2}{9}$

   (n) $\frac{3}{5} - \frac{2}{5}$

   (o) $15.8 + 2.371$

   (p) $63.42 - 34.17$

   (q) 5.6×0.4

   (r) $7.38 \div 2$

2. In each pair below, identify the greater number

   (a) $\frac{4}{5}, \frac{3}{5}$

   (b) $\frac{2}{7}, \frac{2}{9}$

   (c) $1, \frac{9}{8}$

   (d) $\frac{1}{6}, \frac{2}{3}$

3. Every large pack of gum has 8 pieces and every small pack of gum has 3 pieces. Mary has 7 small packs and 4 large packs. How many pieces of gum does Mary have altogether?

4. Jason has 17 pencils and Shannon has 43 pencils. How many pencils must Shannon give Jason in order for them to have the same number of pencils?

5. Ravi's age is double Ranu's age. The product of their ages in years is 72. How old is Ranu?

6. Billy brought a large box of chocolates to school. In his first class, he gave half of the chocolates in the box to his teacher. In his second class, he gave half of his remaining chocolates to his best friend. At lunch, he ate half of his remaining chocolates. If he had 3 pieces of chocolate left at the end of lunch, then how many pieces were in the box when Billy arrived at school?