

Weekly Question (14.08.13)

In a school bookshop, pens are sold at either \$1.80 each or \$6 for a set of 4 pens. What is the maximum number of pens that you can buy with \$358?

Solution:

Set of 4 pens → \$6

1 pen (in set) → $\$6 \div 4 = \1.50

Number of sets available for purchase → $\$358 \div \$6 = 59$ R \$2

59 sets → $59 \times 4 = 236$ pens

Remainder of \$2 → 1 more pen (at \$1.80)

Maximum number of pens → $236 + 1 = 237$

Ans: The maximum number of pens I can buy is 237.