

3/7

HW

6 The regular price of roses is \$1.20 a stem. During festive occasions, the price of a stem of rose is \$2.10. Find the percent increase during festive occasions.

orig: 1.20 } diff.
new: 2.10 } 0.9

diff x 100
orig
 $\frac{0.9}{1.20} \times 100$
75%



7 The weight of a cub was 1.2 pounds at birth. At 3 months, its weight was 2.4 pounds and at 6 months, its weight was 4.2 pounds. What was the percent increase in its weight at 6 months compared to

a its weight at birth?
birth: 1.2 } diff
6 months: 4.2 } 3

diff = $\frac{3}{1.2} = 2.5$ change to %
250%

b its weight at 3 months?
4.2 diff
 $\frac{-2.4}{1.2}$

diff = $\frac{1.8}{2.4} = 0.75 \rightarrow 75\%$

8 The membership of a fitness club was 250. A year later, the membership dropped by 35. Use a proportion to find the percent decrease in the membership of the fitness club.

orig: 250 } diff.
new: ? } 35

$\frac{35}{250} = 0.14 \rightarrow 14\%$