

Solutions

2.1 $35/100; = 7/20.$

2.2 $240 \times 1.075; = 258.$

2.3 $x = 0.777\dots, 10x = 7.777\dots, 9x = 7; x = 7/9.$

3.1 As decimals: 0.375, 0.37, 0.38, 0.4; order: 0.37, $3/8$, 38 %, 0.4; consistent smallest-to-largest presentation.

3.2 Increase = $9690 - 8500 = 1190$; $1190/8500; \times 100 = 14 \%$.

3.3 $x = 0.4545\dots, 100x = 45.4545\dots, 99x = 45; x = 45/99; = 5/11.$