

Name: _____

Date: _____

Increase $r\%$: multiply by $(1 + r)$. Decrease $r\%$: multiply by $(1 - r)$. One multiplier - one step! Last two are challenge problems!

1. What multiplier increases by 10%?

show your work

2. What multiplier decreases by 25%?

show your work

3. Increase 80 by 20%.

show your work

4. Decrease 60 by 15%.

show your work

5. \$50 grows 6%: new amount?

show your work

6. A \$200 phone drops 30%: new price?

show your work

7. The multiplier is 1.045. What is the percent change?

show your work

8. The multiplier is 0.88. Percent change?

show your work

9. Increase 100 by 10%, then **★ CHALLENGE**
DECREASE the result by 10%. Do
you land back at 100?

show your work

10. A price rises 20% then another **★ CHALLENGE**
20%. What single multiplier is that,
and what total % increase?

show your work