

MasterMath

Percentage Increase and Decrease

Name _____

Date _____

1. **Determine the % Increase or Decrease. Round to one decimal place.**

Original Value	New Value	% Increase	% Decrease
15 dogs	10 dogs		
\$125	\$150		
12%	15%		
52"	48"		
800	1000		

Original Value	New Value	% Increase	% Decrease
25 frogs	125 frogs		
\$1.25	\$2.25		
1/4	1/2		
7/8	1/2		
10 hits	22 hits		

2. **Find the new amount.**

Original Value	Increased by	Decreased by	New Amount
13'	10.0%		
16 yards		25.0%	
11	5.5%		
26 miles		10.5%	
3 hours	50.0%		

Original Value	Increased by	Decreased by	New Amount
1/2	25.0%		
2 1/2	50.0%		
6.6		25.0%	
18	18.0%		
64		25.0%	

3. **This year you ran a mile in 6.25 minutes. Last year you ran a mile in 6.75 minutes. How great a % change did you have this year over last year?**



4. **The population of Center County changed. What was the percentage change?**

Population 2010	155,200
Population 2000	140,500

5. **We increase the dimensions of this rectangle by 150%. What is the perimeter of the new rectangle?**



6. **A number increases by 20% after 1 year, then decreases by 20% after the 2nd year. Will the new number be less than, equal to or smaller than the original number?**