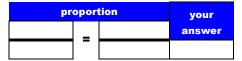# MasterMath

Name _____

Date _____

Writing and Solving Proportions
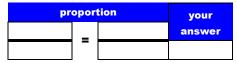
Write a proportion and solve these problems

1. There are 50 questions on the test and you need to get an 80%. How many of the 50 questions do you need to get correct?
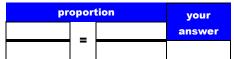
proportion		your answer
	=	

2. You had 15 at bats, and your batting average is .500. How many hits did you have?

proportion		your answer
	=	

3. You had 16 at bats, and your batting average is .400. How many hits did you have?

proportion		your answer
	=	

4. A single batch of your mother's recipe for salsa calls for 3 tomatoes, 1/4 cup cilantra, 1/2 onion, and spices. Your having a party and need 5 batches of salsa. How many cups of onions do you need?

proportion		your answer
	=	

5. There are 9 strawberries in a quart package. How many quart packages do you need if you want 62 strawberries?

proportion		your answer
	=	

Solve these proportions using Cross Products

6.

proportion		your answer
9	=	18	
5		x	

7.

proportion		your answer
z	=	6	
11		33	

8.

proportion		your answer
25	=	6	
x		2	

9.

proportion		your answer
150	=	y	
7.5		2	

Solve these problems using Mental Math

10.

proportion		your answer
6	=	x	
2		4	

11.

proportion		your answer
12	=	6	
4		z	