

MasterMath

Name _____

The Percent Equation

Date _____

1. **Please fill in the blanks. Round decimals to 3 decimal places. Round percentages to 1 decimal place. Simplify fractions.**

%	Decimal	Fraction
16.0%	0.160	4/25
58.8%	0.588	147/250
14.5%	0.145	29/200
22.22...%	.222...	2/9
32.8%	0.328	41/125
78.0%	0.780	39/50

%	Decimal	Fraction
45.8%	0.458	229/500
60.0%	0.600	3/5
57.6%	0.576	72/125
19.0%	0.190	19/100
88.0%	0.880	22/25
12.3%	0.123	123/1000

2. **You got 80% of the questions correct on the last math test. You got 52 questions correct. How many questions were on the math test?**

65

3. **Josie was a great pitcher. 78% of the pitches she threw were strikes. If she threw 145 pitches, how many would you predict to be strikes?**

113.1



4. **What number is 48% of 240?**

115.2

5. **The price of tickets to the concert are \$45.00, but your church has been offered a 25% discount. How much will you have to pay for each ticket after the discount?**

33.75

6. **There was 6% sales tax added to your purchase price for the dress. With tax, you paid \$58.30 for the dress. What was the pre-tax price?**

55.00

7. **The ratio of boys to girls was 3:1. What percentage were boys? (HINT:**

75%

