

**Math Q114:**

Name: \_\_\_\_\_

**Review of Percents****Due Wednesday, January 27**

It is important that you can accurately compute percents. Percentages will be used throughout this course, particularly in Chapter 1. If you find that you need a more thorough review and explanation of percent concepts refer to Chapter 4., especially Ch. 4.7-4.9., pages 145-163 in the Falstein text, Basic Mathematics: You Can Count on Yourself used in MathSk 097 and 098 (It is on reserve in the Healey library for those who didn't take those courses).

Type 1	Type 2	Type 3
25% of 64 is how much?	25% of what number is 64?	16 is what percent of 64?
$25\% \text{ of } 64 = n$	$25\% \text{ of } n = 16$	$N\% \text{ of } 64 = 16$
$(0.25)(64) = 16$	$(0.25)n = 16$	$64n = 16$
$N = 16$	$N = 64$	$N = 0.25 \text{ or } 25\%$

For the problems below write the answer beside each question, but do your calculations on a separate sheet of paper and attach it so that I can see how you performed the operations.

**Try these Type 1 Problems:**  $x$ 

1. Find 30% of 72.
2. What is 67% of 212?
3. 45.5 % of 120 = n; find n.

**Try these Type 2 Problems:**

4. 60% of n is 45; find n.
5. 6 is 20% of what number?
6. 40% of what number is 32?

**Try these Type 3 Problems:**

7. What percent of 28 is 21?
8. 102 is what percent of 120?
9. n% of 78 is 60; find n.

**Try these Mixed Problems:**

10. 90% of what number is 36?
11. What is 15% of 80?
12. What percent of 50 is 2?

**Try these Applications Problems:**

13. Beth had 17 of 20 problems correct on a math quiz. What percent of the problems on the quiz did she have correct?
14. Mr. Barnes received 8% commission on his sales. If his commission was \$260, find the amount of his sales.
15. David saved \$30 by taking advantage of a 12% reduction on the price of a TV. What was the price of the TV prior to the reduction?
16. Sam deposited \$950 in a bank that paid 4% simple interest per year. How much interest would he earn in one year?

