$$\frac{part}{whole} = \frac{\%}{100}$$

Name _____ Sagona _____

Date _____ Pd _____

APPLICATION OF PERCENTS

Match each correct answer to a letter and complete the riddle below.

1 A toy manufacturer estimates that 6% of its products are defective. If 550 toys are produced in one day, how many will be defective?

$X = 33$ $\frac{x}{550} = \frac{6\%}{100}$

5 Mr. Hollins determines that he gives away $800 each month. If he gives away 16% of his budget, how much is his overall budget?

$X = 5000$ $\frac{800}{x} = \frac{16}{100}$

2 Fourteen percent of the town's population is over the age of 65. If there are 320 residents over the age of 65, approximately what is the town's population?

$X = 2285.7$ $\frac{320}{x} = \frac{14\%}{100}$

6 Eddie is reading a novel for English class. He has read 173 out of 480 pages. About what percent of the book has he read?

$\frac{173}{480} = \frac{x}{100}$ $X = 36.04$

3 The LA Dodgers hit the most homeruns in 2014. The number of homeruns accounted for 6% of the entire Major League Baseball homerun count. If 583 total homeruns were hit, approximately how many did the LA Dodgers hit?

$X = 34.98$ $\frac{x}{583} = \frac{6}{100}$

7 A nutrition label states that there are 36g of carbohydrates in each serving. This accounts for 12% of the daily value. How many grams of carbohydrates are recommended per day?

$X = 300$ $\frac{36}{x} = \frac{12}{100}$

4 Two of the dozen eggs in a carton are cracked. About what percent of the carton is cracked?

$X = 16.\overline{6}$ $\frac{2}{12} = \frac{x}{100}$

8 About 56% of the 2,553 students are enrolled in at least one honors class. How many students are enrolled in an honors class?

$X = 1429.6$ $\frac{x}{2553} = \frac{56}{100}$

T: 33	O: 25	C: 36	J: 4	M: 517
K: 64	Q: 65	L: 2,286	A: 35	P: 4,559
H: 128	G: 16.7	I: 800	E: 300	R: 5,000
V: 45	N: 1,430	S: 80	D: 1,129	B: 18.7

WHAT DO YOU CALL A DESTROYED ANGLE?

$\underset{3}{A}$ $\underset{5}{R}$ $\underset{7}{E}$ $\underset{6}{C}$ $\underset{1}{T}$ $\underset{3}{A}$ $\underset{8}{N}$ $\underset{4}{G}$ $\underset{2}{L}$ $\underset{7}{E}$