

Decimals & Percent

show your work..... remember units.....

1. Find the missing percents, fractions and decimals based on the given information:

NO CALCULATORS

	Fraction	Decimal	Percent
a.	$\frac{5}{8}$		
b.		0.75	
c.			40%
d.		0.125	
e.	$\frac{1}{6}$		
f.			37 ½ %
g.		0.045	
h.	$7\frac{3}{5}$		
i.			250%
j.	$\frac{9}{400}$		

PLACE VALUE & ROUNDING DECIMAL NUMBERS:

Millions	Hundred thousands	Ten thousands	Thousands	Hundreds	Tens	Ones	Tenths	Hundredths	Thousandths	Ten-thousandths	Hundred-thousandths	Millionths
9	3	2	5	7	.	8	4	3	7			

● decimal point

2. Round numbers to the indicated place value:

- a. Round 147.866 to the hundredth place.
- b. What is the place value of the 5 in 32.605?
- c. What digit is in the hundreds place in the number 2 174.392?
- d. Round 32.63 to the tens place.
- e. A motor has a horsepower rating of 45.497. Round to the nearest whole number.

Solve the following Percentage questions:

3. What percent of 348 is 87?
4. 50% of what number is 36?
5. 34.5% of 336 is what number?
6. 28 is what percent of 85 (to the nearest tenth percent)?

7. $12\frac{1}{2}\%$ of what number is 43?
8. What number is 134% of 115?
9. What percent is 2 out of 300?
10. What percent of 125 is 625?

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ANSWERS:

- | | |
|---|---|
| <ol style="list-style-type: none"> 1. <ol style="list-style-type: none"> a. 0.625; 62.5 % b. $\frac{3}{4}$; 75% c. 0.4; $\frac{2}{5}$ d. $\frac{1}{8}$; 12.5% e. $0.1\overline{66}$; 16.7% f. $\frac{3}{8}$; 0.375 g. $\frac{9}{200}$; 4.5% h. 7.6; 760% i. $2\frac{1}{2}$; 2.5 j. 0.0225; 2.25% | <ol style="list-style-type: none"> 2. <ol style="list-style-type: none"> a. 147.87 b. Thousandth c. 1 d. 30 e. 45 3. 25% 4. 72 5. 115.92 6. 32.9% 7. 344 8. 154.1 9. 0.667% OR $\frac{2}{3}\%$ 10. 500% |
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