1. How many centimeters are in 8 feet ? (1 inch = 2.5 centimeters) 8ft = 96in 96 in = 240 cm	2.Sanae ran 9 kilometers in 40.5 minutes. Daniel ran 6 miles in 48.6 minutes. Who ran faster? (there are 1.6 km in 1 mile) Daniel 6 miles = 9.6 km 9.6 km in 48.6 min = 1 km in 5.06 min Sanae 9 km in 40.5 min = 1 km in 4.5 min Sanae
3.A grocery store sells a small 8 ounce bag of pecans for \$3.49 and a large 1.5 pound container for \$9.99. What is the better deal? by how much? (16 ounces = 1 pound) small bag 8 oz for 3.49 = 1 oz for \$0.44 large container 1.5 lbs = 24 oz for 9.99 = 1 oz for \$0.42 large container by \$0.02	4. If 4 students have blonde hair and this represents 20% of the class, find 10%, 25%,50%, and 100% of the class. 10% = 2 25% = 5 50% = 10 100% = 20
5. What is 40% of 80 ? 32	6. 60% is 150 of what number ? 250

7. If 12 Android phones is 30% of the group then what is 10%, 20%,25%,40%, and 75% of the group ?	8.Different states have different sales tax rates. The table below shows a couple of these. Find the tax for each state if a \$24 shirt is purchased.	
10% = 4 20% = 8 25% = 10 40% = 16 75% = 30	state	sales tax
	NC	4.75%
	sc	6%
	VA	4.3%
	NC = \$1.14 SC = \$1.44 VA = \$1.03	
9. The cost for getting Lin's haircut was \$28. She wanted to leave a 15% tip. What was the tip amount? What was the total cost?	10. If Daniel buys a yearbook at least 4 months early there is a 10% discount. The discounted cost is \$37.80. What will be the full cost of the yearbook at the end of the year?	
tip = \$4.20 total = \$32.20	\$42.00	

11. What percent is 21 of 70 ?		12. What is 35% of 210 ?
a.) 30% b.) 7% c.) 14% d.) 50%		a.) 52.5 b.) 62 c.) 73.5 d.) 16.6
13.In Mrs. Mary's garden 4 out of the 20 plants are tomatoes. What percent of the garden is tomatoes?		14. There were 30 superheroes in Avengers:Endgame. 12 were males. What percent of superheroes were female?
a.) 4% b.) 5% c.) 20% d.) 40%		a.) 40% b.) 12% c.) 45% d.) 60%
15. An 8 ounce M&M bag was emptied, examined, and tallied. The table shows the number of M&M's in each color.		16. Jack got 17 out of 20 questions on the last math test. What is his grade percentage?
color	frequency	
red	6	
white	5	
blue	3	
What approximate percent of the bag is red?		
a.) 36% b.) 21% c.) 60% d.) 43%		a.) 17% b.) 85% c.) 90% d.) 70%

8. Jada bought a pair of rollerskates for 35.99. There was a 7% sales tax. What was ne tax?
) \$2.52
) \$33.47
) \$25.19
) \$3.59
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O. Mother's Day brunch at a local restaurant omes to a subtotal of \$65.50. A 20% tip is expected. What is the total amount that sust be paid?
) \$13.10) \$78.60) \$52.40) \$117.90
) \$