

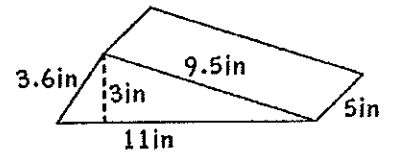
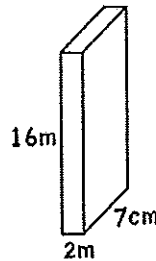
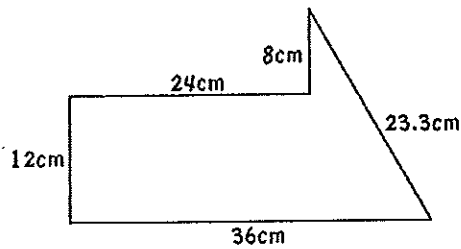
You may use a calculator but you must show your thinking.

1. Out of 320 students, 192 have an ipod.
 - a. What percent have a ipod?
 - b. What percent don't have a ipod?
 - c. How many don't have a ipod?
 - d. What fraction (simplify) have a ipod?
 - e. What fraction (simplify) don't have a ipod?

2.

Prob	FRACTION	DECIMAL	PERCENT
A			100%
B			1%
C			75%
D			15.5%
E	$\frac{1}{3}$		
F	$\frac{10}{30}$		
G	$2\frac{1}{4}$		

3. Find the area and the perimeter. **Show your work! You may use a calc.**
4. Find the surface area and volume. **Show your work! You may use a calc.**
5. Find the volume. **Show your work!**



6. Marvin has $6\frac{3}{4}$ pounds of Jolly Ranchers. He wants to share them equally among 12 people. How much should each person get? **You may use a calc. Show all your work!**

7. The Relay for Life team needs to run 22 miles and they want each person to run $\frac{2}{3}$ of a mile. How many people will be needed to run this race? **You may use a calc. Show all your work!**

Add, subtract, multiply and divide. Show all your work! Simplify your answers! Do not use a calculator.

8. $2\frac{1}{10} \times \frac{5}{7} =$

9. $6\frac{5}{11} - 4\frac{1}{4} =$

10. $9\frac{6}{13} + 9\frac{1}{2} =$

11. $2\frac{8}{11} \div 4\frac{1}{11}$