

Topic 4: Applications of Percent - Block 2 Homework

1. One good way to think about percent is that it means "How many out of _____?"

2. Daniel's sports store sells basketball jerseys with the logos of each of the 5 local middle school teams.

a) Daniel currently has 5000 basketball jerseys in stock and 30% of the basketball jerseys have the BMS logo. How many BMS jerseys does Daniel have in stock?



b) Daniel's store also sells football jerseys to each of the five local junior high teams. Daniel has 6000 football jerseys in stock, divided among the 5 schools as shown. **Complete the table** to show how many of each school's football jersey Daniel has in stock.

School	Percent of stock on hand	Number of Jerseys in stock
Blaine Middle School	30%	
Lynden Middle School	25%	
Horizon Middle School	20%	
Vista Middle School	15%	
Nooksack Middle School	10%	

More on other side! Flip it.

4. A survey showed that 30% of students bring their lunch to school. The survey polled 300 students. How many of the 300 students **do not** bring lunch to school?
5. An elephant at the zoo maintains her weight by eating 2.5% of her body weight in food each day. If she maintains a constant weight of 6 tons, how many pounds of food does she eat in one week? (There are 2000 pounds in 1 ton.)