

For each real-world application: MUST SHOW YOUR WORK ON A SEPARATE SHEET**1) Define a variable 2) Write an equation 3) Solve the equation 4) Write your solution in a sentence**

1. The sum of three consecutive numbers is 42. What are the numbers?
2. Kim spent \$17 on a magazine and some candy bars. If the magazine cost \$7 and each candy bar cost \$5, then how many candy bars did she buy?
3. The HHS band took a field trip and 164 students went. Five buses were filled and 24 students had to ride in cars. How many students were in each bus?
4. How old am I if 200 reduced by 3 times my is 35?
5. One Tuesday Mr. Garvey bought nine posters. On Wednesday it rain and half of **ALL** the posters he had were destroyed. On Thursday there were only 15 posters left. How many did Mr. Garvey have on Monday?
6. The sum of three consecutive **EVEN** integers is 60. What is the middle integer?
7. Daniel bought a box of pencils for \$2 and seven erasers. He spent a total of \$37. How much did each eraser cost?
8. Emily spent half of her weekly allowance on clothes. To earn more money her parents let her mow the yard for \$10. What is her weekly allowance if she ended with \$18?
9. Joe earns \$425 a week for working 40 hours and an additional \$20 an hour for each hour over 40. Last week, Joe made \$485. How many hours over 40 did he worked?
10. A window is 34 inches wide and its perimeter is 188 inches. What is the length of window?

How many total hours did Joe work last week?

What is the area of the window?