

Directions: There are two parts to these questions, please write the algebraic expression, then solve for the letter.

1. The product of 4 and  $x$ , decreased by 2

Solve when  $x=2$

2. 45 more than the quotient of 11 and  $d$

Solve when  $d = -1$

3. 59 more than the quotient of 32 and  $g$

Solve when  $g = 12$

4. Olivia reads an equal amount of pages

for 8 days. If she reads  $p$  pages in all, how many pages

Does she read each day? Solve when  $p = 104$

Directions: Please show a Venn Diagram to solve this question.

5. Thirty students were asked about their participation in a sport. Of these students, 24 either play soccer or tennis. Six of these students play soccer but do not play tennis. Fourteen of the students play tennis and also play soccer. How many of the students play only tennis?