

# Understanding Percents – Assignment

## Assignment Text

The following are from Section 6.1 of the textbook. They are problems 5, 6, 7, 21, 22, and 23. Answer the problems.

In the following exercises, rewrite the percent in decimal form.

5. 18%

6. 9%

7. 71.2%

21. 36 people in a village of 150 want to install a new splashpad at the local playground. What percent of the village wants to install the new splashpad?

22. Mitena is enrolled in a movie appreciation course. There are 84 students (including Mitena) in the course. After having the students fill out a survey, the professor informs the students that 45.2% chose horror as their favorite movie genre. How many students in Mitena's class chose horror as their favorite movie genre? Round off to the nearest integer.

23. Jady's dorm has a "Rick and Morty night" every Wednesday during the semester. One Wednesday, 27 students from the dorm come to watch the TV show Rick and Morty. Jady knows this is 30% of the dorm's residents. How many students reside in the dorm?

## Assignment Key

5. 0.18

6. 0.09

7. 0.712

21. 24%

22. 38 students

23. 90 students

## Student Feedback Templates

#5 should be 0.18

#6 should be 0.09

#7 should be 0.712

#21 should be 24% ( $36 / 180 = 0.24$  or 24%)

#22 should be 38 students ( $84 * 0.452 = 37.968$ , round up to 38)

#23 should be 90 students ( $27 / 0.3 = 90$ )