

Name _____

hour: _____

date: _____

8. A class at Middlebury Middle School collected data on the kinds of movies students prefer. Complete each statement using the table.

Types of Movies Preferred by Middlebury Students

Type of Movie	Seventh-Graders	Eighth-Graders
Action	75	90
Comedy	105	150
Total	180	240



- The ratio of seventh-graders who prefer comedies to eighth-graders who prefer comedies is \square to \square .
- The fraction of total students (both seventh- and eighth-graders) who prefer action movies is \square .
- The fraction of seventh-graders who prefer action movies is \square .
- The percent of total students who prefer comedies is \square .
- The percent of eighth-graders who prefer action movies is \square .
- Grade \square has the greater percent of students who prefer action movies.

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9. Use the table.

Selected Champion Trees

Tree Type	Height (ft)	Spread (ft)
Florida Crossopetalum	11	3
White Oak	96	119

- The height of the crossopetalum (kroh soh PET uh lum) is what fraction of the height of the white oak?
 - The height of the crossopetalum is what percent of the height of the white oak?
 - The spread of the crossopetalum is what fraction of the spread of the white oak?
 - The spread of the crossopetalum is what percent of the spread of the white oak?
10. In a survey, 100 students were asked if they prefer watching television or listening to the radio. The results show that 60 students prefer watching television while 40 prefer listening to the radio. Use each concept at least once to express student preferences.
- ratio
 - percent
 - fraction
 - difference