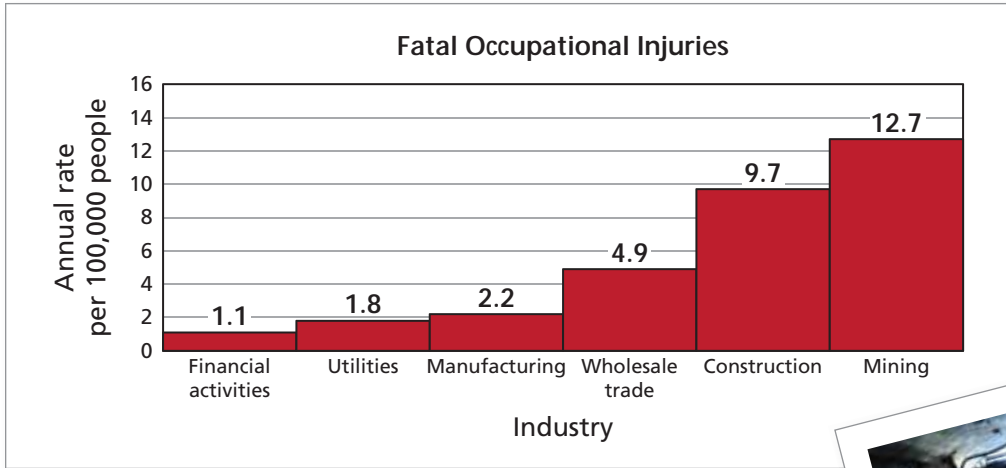
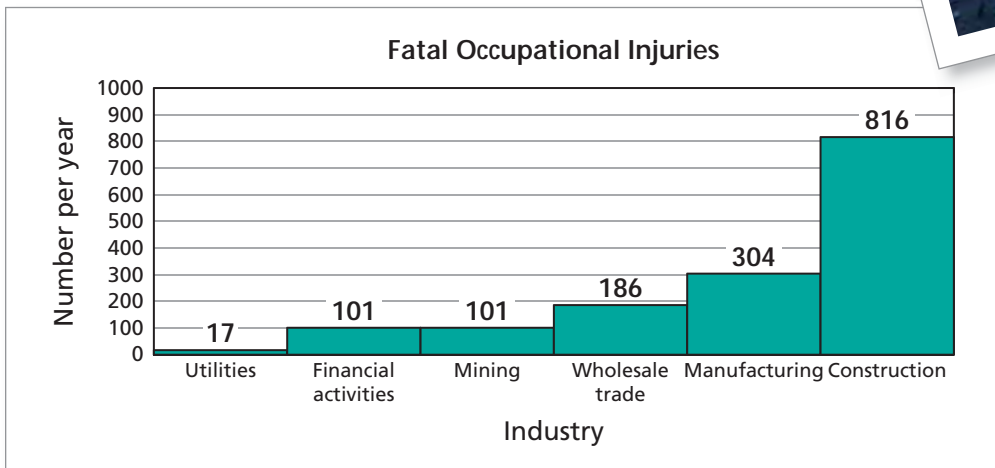


7. **Fatal Occupational Injuries** The graph shows the rates of fatal occupational injuries per 100,000 full-time workers for several industries. (See Example 3.)

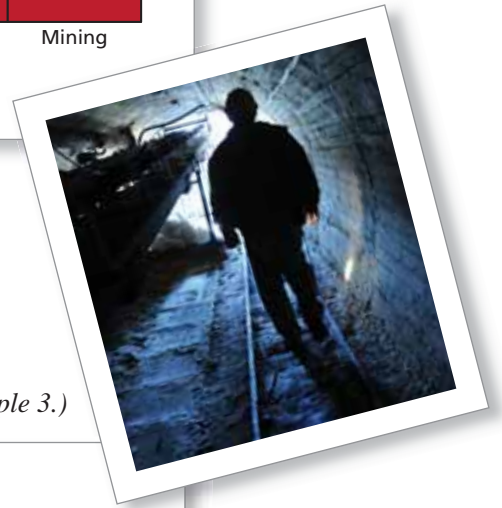


- a. Compare the rates of fatal occupational injuries for the different industries.
- b. Why do different industries have different rates?

8. **Fatal Occupational Injuries** The graph shows the numbers of fatal occupational injuries for the same industries as in Exercise 7. (See Example 3.)



- a. Compare the numbers of fatal occupational injuries for the different industries.
- b. Explain why financial activities and mining have the same number of fatal occupational injuries, but their rates in Exercise 7 are different.



Comparing Significance and Risk In Exercises 9–14, determine the likelihood and significance of the event. (See Example 4.)

- 9. A nuclear plant meltdown
- 10. Contracting a foodborne illness during your lifetime
- 11. A flood damaging property on a hilltop
- 12. A person with high blood pressure contracting heart disease
- 13. A deployed air bag causing a severe injury
- 14. A heavy smoker contracting cancer