Name _____

Frequency Fractions Answer Key

Sports: 12/40 = 3/10, 0.30, 30%.

Art: 10/40 = 1/4, 0.25, 25%.

Music: 8/40 = 1/5, 0.20, 20%.

Reading: 6/40 = 3/20, 0.15, 15%.

Science: 4/40 = 1/10, 0.10, 10%.

Total: 40/40 = 1, 1.00, 100%.

Teacher's Guide

- Review that relative frequency compares a category's frequency with the total number of observations.
- Have students divide each category frequency by 40 to find its decimal relative frequency.
- Remind students to multiply a decimal by 100 to express it as a percentage.
- For support, let students keep the fractions over 40 before simplifying them.
- For additional support, model one row, such as 12/40 = 0.30 = 30%.
- Increase engagement by having students predict which activity will have the greatest relative frequency before calculating.
- For a challenge, ask students to find the combined relative frequency of two selected categories.
- Extend the activity by having students verify that the decimal relative frequencies total 1.00 and the percentages total 100%.

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