

ZMATH 2016e.00636

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Gone fishing: science, proportions, and probability.

Math. Teach. Middle Sch. 20, No. 1, 16-23 (2014).

Summary: An outdoor context can reel in two important mathematical ideas and catch students' misconceptions in the process.

Classification: F83 M93 K13

Keywords: mathematical applications; real-life mathematics; lower secondary; student activities; fish pond populations; random samples; sampling variability; statistical variability; matching proportions; proportional reasoning; estimation; probability; fractions; proportion; ratio; open-ended problems; worksheets