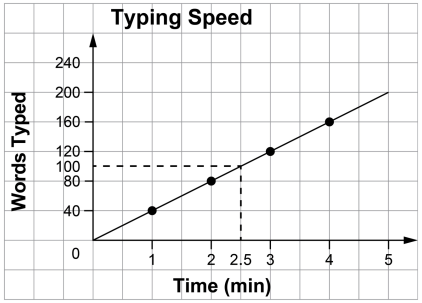
Number

Activity 6 Assessment

Solving Rate Problems

Solving Rate Problems

Understands what a rate is	Writes a rate as a unit rate	Uses a graph to represent a rate, and solve a related problem	Uses a proportion to solve a rate problem
A rate is a comparison of two quantities with different units, e.g., 3 kg for $6, 100 km in 2 h	Divide to write a rate as a unit rate, e.g., 3 kg for $6 is $2/kg, 100 km in 2 h is 50 km/h	For a typing speed of 40 words/min, how long would it take to type 100 words? **Time (min) / Words Typed** 1 — 40 2 — 80 3 — 120 4 — 160  From the graph, 100 words would be typed in 2.5 min.	For a typing speed of 40 words/min, how long would it take to type 240 words? Let t minutes represent the time. $\frac{t}{240} = \frac{1}{40}$ (× 6 on both sides) $t = 6$ It would take 6 min.

Observations/Documentation

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