

Activity 9 Assessment

Exploring Rates

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Understands what a rate is

A rate is a comparison of two quantities with different units, e.g., 3 kg for \$6, 100 km in 2 h

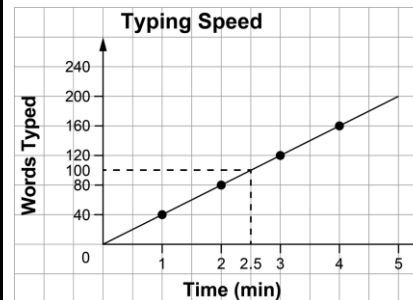
Writes a rate as a unit rate

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

Uses a graph to represent a rate, and solve a related problem

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.

Uses a proportion to solve a rate problem

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
↻ × 6

$t = 6$
It would take 6 min.

Observations/Documentation