

Name: _____

Expressing Unit Rates with Equations

Read each situation. Circle the equation that correctly reflects the unit rate.

1. Salem's 4 model cars (m) have a total of 220 pieces (p). Which equation shows the number of pieces for a certain number of models?

$m = 220p$

$p = 220m$

$m = 4p$

$p = 55m$

2. Mrs. Collins printed 234 pages (p) to make packets for 26 students (s). Which equation shows the pages used for a given number of students?

$p = 9s$

$s = 9p$

$s = 26p$

$p = 234s$

3. Aunt Josie sold 8 succulents (s) and 2 ferns (f). Which equation shows the number of succulents sold alongside a number of ferns?



shows how many were discovered in a given time period?

$d = 45y$

$d = 18y$

$y = \frac{18}{810}d$

$y = 18d$

6. Nehemiah bought a bag of 250 gumballs (g) for \$12.50 (d). Which equation shows how many gumballs a given dollar amount can buy?

$d = 25g$

$d = 20g$

$g = 0.05d$

$g = 20d$

7. All together, Ms. McKinney's 24 students (s) read 12 books (b) in their free time. Which equation shows the books read by a number of students?

$b = 2s$

$b = \frac{1}{2}s$

$s = \frac{1}{2}b$

$s = 2b$

ANSWER KEY

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7. All together, Ms. McKinley's 21 students (s) read 12 books (b) in their free time. Which equation shows the books read by a number of students?

$b = 2s$

$b = \frac{1}{2}s$

$s = \frac{1}{2}b$

$s = 2b$