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?

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

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