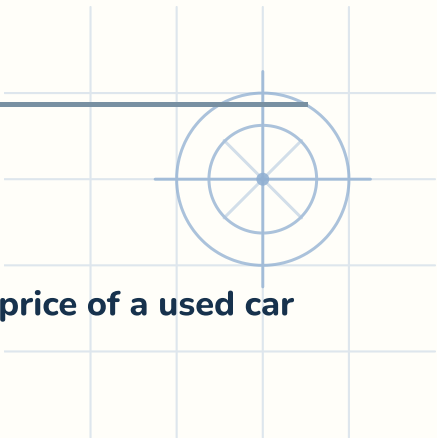


Scatter plots — The line's rule

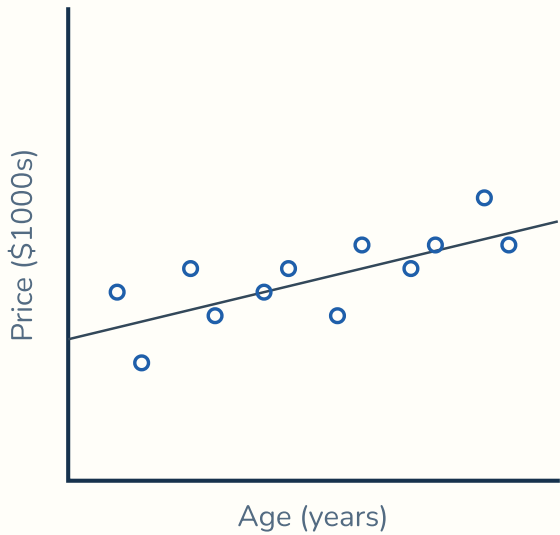
Name: _____

Date: _____

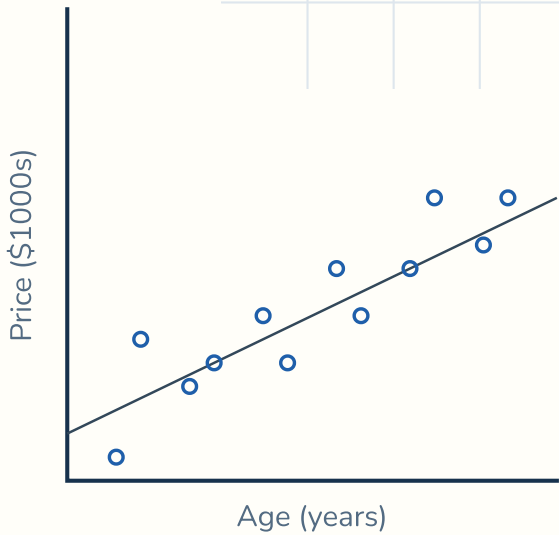
The line is drawn and its rule is given. Circle the answer.



Age and price of a used car



Age and price of a used car



- 1 In $y = 0.25x + 6$, what does 0.25 mean?

<u>\$1000s per year</u>	\$1000s at 0 years
years per \$1000	total \$1000s
- 2 In $y = 0.25x + 6$, what does 6 mean?

\$1000s at 0 years	\$1000s per year
years at 0 \$1000s	total \$1000s
- 3 Use $y = 0.25x + 6$ to find y when $x = 16$.

10	4	6	16
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- 4 In $y = 0.5x + 2$, what does 2 mean?

\$1000s at 0 years	\$1000s per year
years at 0 \$1000s	total \$1000s
- 5 In $y = 0.5x + 2$, what does 0.5 mean?

\$1000s per year	\$1000s at 0 years
years per \$1000	total \$1000s
- 6 Use $y = 0.5x + 2$ to find y when $x = 14$.

9	7	2	14
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Scatter plots · The line's rule — Answer key

1. Price (\$1000s) against Age (years) — In $y = 0.25x + 6$, what does 0.25 mean? \$1000s per year	2. Price (\$1000s) against Age (years) — In $y = 0.25x + 6$, what does 6 mean? \$1000s at 0 years	3. Price (\$1000s) against Age (years) — Use $y = 0.25x + 6$ to find y when $x = 16$. 10	4. Price (\$1000s) against Age (years) — In $y = 0.5x + 2$, what does 2 mean? \$1000s at 0 years
5. Price (\$1000s) against Age (years) — In $y = 0.5x + 2$, what does 0.5 mean? \$1000s per year	6. Price (\$1000s) against Age (years) — Use $y = 0.5x + 2$ to find y when $x = 14$. 9		

