

START

$$-8 + 2c + 3 < -9$$

$$\begin{array}{r} -5 + 2c < -9 \\ +5 \\ \hline 2c < -4 \end{array}$$

$c < -2$

$c < -2$

$$-14 < 7(1+c)$$

$$\begin{array}{r} -14 < 7 + 7c \\ -7 \\ \hline -21 < 7c \end{array}$$

$c > -3$

$c > -3$

$$6c + 5 + 8c \leq 15$$

$$\begin{array}{r} -2c + 5 \leq 15 \\ -5 \\ \hline -2c \leq 10 \end{array}$$

$c \geq -5$

There are no more than five color choices for carpets

$c \leq 5$

$c \leq 5$

$c \geq 6$

$$1 + \frac{c}{4} - 10 > 5$$

$$\begin{array}{r} \frac{c}{4} - 9 > 5 \\ +9 \\ \hline \frac{c}{4} > 14 \end{array}$$

$c > 56$

$c \geq -5$

There are at most six cats in the yard.

$c < -3$

$$3 \geq -2c + 15$$

$$\begin{array}{r} -12 \geq -2c \\ +2 \\ \hline -2 \geq -2c \end{array}$$

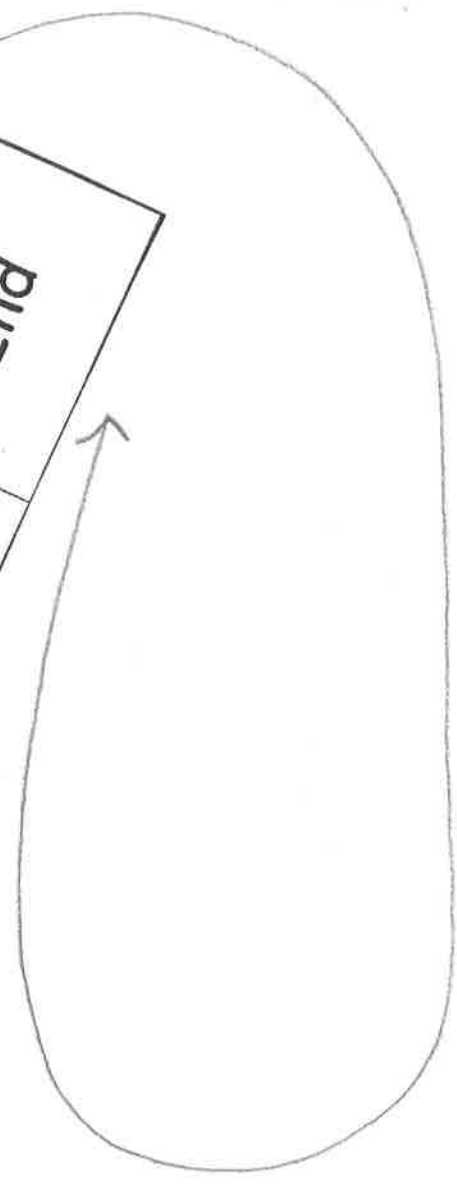
$c \leq 6$

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$$2(10 - c) > 26$$

$$\begin{array}{r} 20 - 2c > 26 \\ -20 \\ \hline -2c > 6 \end{array}$$

$c < -3$



$c \leq 6$