

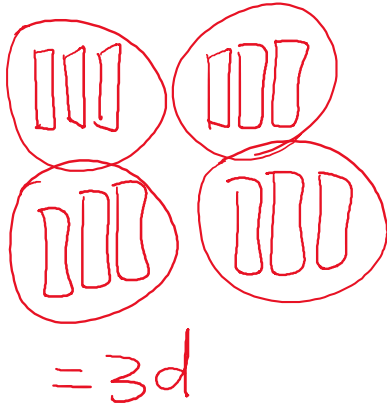
**Learning Outcomes Covered:**

**5I:** I can divide a polynomial by a monomial.

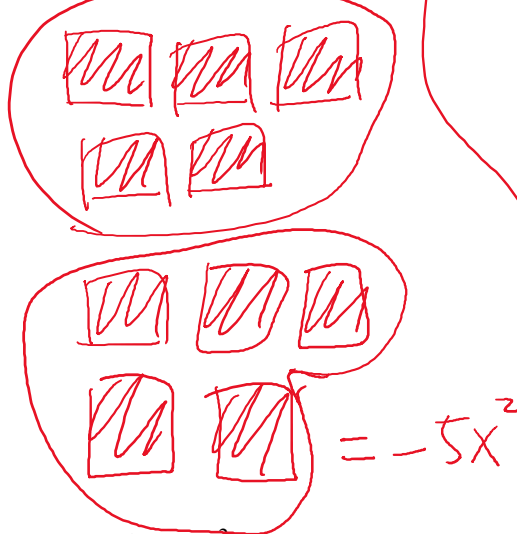
**CONTENT Assessment Questions:**

1. Divide. Also, draw the algebra tiles for each division statement.

a)  $12d \div 4$



b)  $-10x^2 \div 2$



c)  $8d \div -4$

$= -2d$

2. Determine each quotient.

a)  $(16v + 16) \div (8)$

$= 2v + 2$

b)  $(25k^2 - 15k) \div (5)$

$= 5k^2 - 3k$

c)  $(20 - 8n) \div (-4)$

$= -5 + 2n$

d)  $(18x^2 - 6x + 6) \div (6)$

$= 3x^2 - x + 1$

e)  $(7 - 7y + 14y^2) \div (-7)$

$= -1 + y - 2y^2$

**CURRICULAR COMPETENCIES Questions:**

1. Here is a student's solution for a division question.

(CmRp)

$$\begin{aligned} & (-12r^2 - 8r - 16) \div (-4) \\ &= \frac{-12r^2}{4} + \frac{-8r}{4} + \frac{-16}{4} \\ &= -3r^2 - 2r + 4 \end{aligned}$$

a) Explain why the student's solution is incorrect.

$$\frac{-16}{4} = -4$$

b) What is the correct answer? Show your work.

$$-3r^2 - 2r - 4$$

**ONGOING LEARNING ACTIVITIES:**

CORE: Page 246: Curricular Competencies: 14, 20

Content: 6, 8a, 13ace, 16

ADVANCED: Page 248: 23