Investigation 3.1
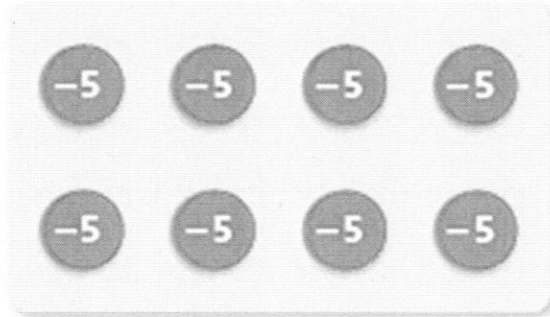
ACE

2. Julia thinks a bit more about how to use red and black chips to model operations with integers. She draws the following chip board. She decides it represents $8 \times (-5) = -40$ and $-40 \div 8 = -5$. Explain why Julia's chip board makes sense.

In problems 3 – 5 draw Julia's chip board to represent the product.

3. $10 \times (-5)$ 4. $4 \times (-15)$ 5. $3 \times (-5)$

9. Find each product.

a. $7 \cdot 2$ b. $-7 \cdot (-2)$ c. $7 \cdot (-2)$

d. $-7 \cdot 2$ e. $8 \cdot 2.5$ f. $-9 \cdot (-4)$

g. $12 \cdot (-3)$ h. $-1.5 \cdot 4$ i. $3.5 \cdot 7$

j. $-8.1 \cdot (-1)$ k. $1 \cdot (-6)$ l. $-2\frac{1}{2} \cdot 1$