2016 Mathematics Standards of Learning
Algebra Readiness Formative Assessment

6.6a – NO CALCULATOR

1. Ricardo is solving a math problem. He knows the model (see below) but does not know the numbers. Find integers that would solve this problem

$$\frac{\square - \square}{\square \bullet \square} = -1$$

2. Identify each true statement

$(-9)-5=-4$	$(-12)+13=1$	$4\bullet(-7)=-28$	$4\bullet(-3)=12$
$(-27)\div(-3)=9$	$10\div(-5)=-2$	$10-(-4)=-14$	$(-5)\bullet(-6)=30$

3. Which of the following equations is NOT true

A. – 2 – (-6) = -4

B. -6 – (-7) = 1

C. 2 – (-6) = 8

D. 6 – 7 = -1

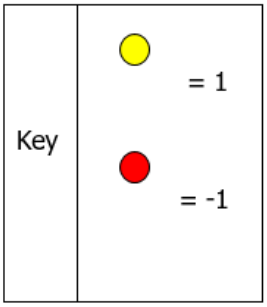
4. If *p* is a negative integer, which of these expressions represents the largest number

A. $5p$

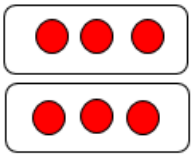
B. $5 \div p$

C. $5 - p$

D. $5 + p$

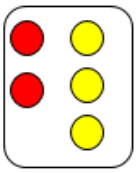


5. Which equation does this model represent?



a. 3 (-2) = -6
b. 2 (-3) = -6
c. -2 (-3) = -6
d. -2 (3) = 6

6. Which equation does this model represent?



a. -2 + 3 = 1
b. -2 + -3 = -5
c. -3 + 2 = -1
d. 3 + -5 = -2