

2016 Mathematics Standards of Learning  
Algebra Readiness Formative Assessment

5.19b

1. Kim worked at a concession stand at this week's basketball game. She worked 5 hours longer than  $f$ , the hours she worked last week. Write an expression that could be used to find out how many she worked at this week's game.
2. Ahtreah lost four beads from her bracelet. It still has 23 beads. Write an equation that could be used to find the number of beads,  $b$ , the bracelet started with.
3. Infiniti bought 2 packages of light bulbs. She bought 32 light bulbs in all. Which equation, could be used to determine how many light bulbs were in each package?
  - a.  $2b = 32$
  - b.  $32b = 3$
  - c.  $32 - 2 = b$
  - d.  $2 + b = 48$
4. Mrs. Smith bought 95 pieces of wood. She used some of the pieces to build a fence and had 36 pieces left over. Which equation could be used to show how many pieces of wood Mrs. Smith used to build the fence?
  - a.  $36 - 95 = w$
  - b.  $\frac{95}{w} = 36$
  - c.  $36w = 95$
  - d.  $95 - w = 36$
5. Mark is collecting baseball cards in a binder. He splits the cards evenly among 3 pages so there are 15 cards on each page. Which equation could be used to tell how many baseball cards Mark has?
  - a.  $c - 13 = 15a$
  - b.  $3 - c = 15$
  - c.  $\frac{45}{3} = c$
  - d.  $\frac{c}{3} = 15$