

Give yourself 15 minutes for this take-home quiz. Notes are not allowed, but calculators or class manipulatives may be used. This quiz will be exchanged and discussed during class.

1. Create an addition/subtraction story problem for kindergarten to 1st grade students that fits all of the following criteria: (2 MP*)

- problem type is add to
- change is unknown
- the answer to the word problem is 7

2. Initially there were L litres of lemonade in the pitcher. If $\frac{1}{3}$ of the lemonade is poured out and then another $\frac{1}{2}$ litre is poured into the pitcher. How much lemonade is in the pitcher?

a. Write an expression for this situation in terms of L . (1 MP*)

b. Write two more expressions that are equivalent to the expression you gave above. (1 MP*)

3. Explain how to solve $A - 15 = 3$ for A using reasoning or algebraic techniques. (1 MP*)