

Name: \_\_\_\_\_

This work may be exhibited if my name is removed: Yes  No

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**Instructions.** Always include explanations, so that other readers can tell what you did and why you did it. Never write outside the box. This problem is from the *Illustrative Mathematics Website*.

**A-SSE Delivery Trucks** . A company uses two different-sized trucks to deliver sand. The first truck can transport  $x$  cubic yards, and the second  $y$  cubic yards. The first truck makes  $S$  trips to a job site, while the second makes  $T$  trips. What do the following expressions represent in practical terms?

a.  $S + T$

b.  $x + y$

c.  $xS + yT$

d.  $\frac{xS+yT}{S+T}$