

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

1. Order the following fractions from least (on left) to greatest (on right): $\frac{12}{11}$, $\frac{16}{19}$, $\frac{17}{18}$. (1 MP*)

2. Without using pictures, converting to common denominators, converting to decimals, or using cross-multiplication, provide a mathematical reason to explain your ordering for the... (2 MP*)

a. first pair on left.

b. last pair on right.

3. A student solves a problem by first selecting a fraction strip to represent two-thirds and another to represent one-fourth. Next, the student puts the fraction strips on top of each other so the right edges are touching. The student then finds a fraction strip that lines up with the left side of two-thirds and the left side of one-fourth.

What problem was the student trying solve? What answer should they get? (2 MP*)