Ma8 Dividing Fractions

(A) 1. Write the reciprocal.

a) $\frac{1}{5}$ b) $\frac{1}{7}$ c) $\frac{3}{7}$ d) $\frac{5}{8}$ e) $\frac{6}{11}$ f) $\frac{4}{7}$ g) $\frac{7}{10}$ h) 9 i) 8 j) 6

2. Divide.

a) $6 \div \frac{1}{2}$ b) $10 \div \frac{1}{8}$ c) $12 \div \frac{1}{10}$ d) $9 \div \frac{1}{5}$ e) $8 \div \frac{1}{7}$ f) $20 \div \frac{1}{8}$

3. Divide.

a) $\frac{1}{5} \div \frac{3}{7}$ b) $\frac{1}{2} \div \frac{3}{5}$ c) $\frac{2}{3} \div \frac{3}{4}$ d) $\frac{1}{4} \div \frac{7}{11}$ e) $\frac{1}{8} \div \frac{3}{11}$ f) $\frac{5}{6} \div \frac{7}{12}$

g) $\frac{3}{4} \div \overline{9}$ h) $\frac{8}{9} \div \frac{1}{10}$ i) $8 \div \frac{3}{2}$ j) $\frac{4}{7} \div \frac{4}{3}$ k) $\frac{3}{5} \div \frac{7}{10}$ l) $\frac{7}{8} \div \frac{3}{4}$

4. **DATA BASE**
Between the goalposts, a football field is about $\frac{1}{10}$ km long. How many fields could be placed end to end along the Trans-Canada Highway? (8030 km)

5. A $\frac{3}{4}$ - full jug of lemonade can fill 9 glasses. How many glasses can be filled from a full jug?

6. Divide.

a) $\frac{2}{5} \div \frac{1}{10}$ b) $\frac{3}{10} \div \frac{4}{5}$ c) $\frac{5}{1} \div \frac{1}{10}$ d) $\frac{4}{5} \div \frac{3}{5}$ e) $\frac{3}{8} \div \frac{3}{7}$ f) $\frac{4}{7} \div \frac{5}{7}$

g) $\frac{5}{12} \div \frac{3}{4}$ h) $\frac{7}{12} \div \frac{3}{4}$ i) $\frac{11}{16} \div \frac{5}{8}$ j) $\frac{5}{16} \div \frac{3}{4}$ k) $\frac{11}{12} \div \frac{5}{24}$ l) $\frac{4}{7} \div \frac{3}{14}$