

Be sure to reduce fractions to **lowest terms**. No calculators please!

1. Evaluate the following (show your work for full marks)

(a) $\frac{1}{2} \times \frac{2}{5}$

(b) $\frac{1}{5} \times \frac{3}{4}$

(c) $12 \times \frac{3}{4}$

(d) $1\frac{1}{2} \times \frac{1}{4}$

(e) $\frac{7}{8} \times \frac{16}{21}$

(f) $3\frac{1}{4} \times 2\frac{1}{2}$

(g) $\frac{7}{12} \times \frac{18}{28}$

(h) $5\frac{3}{4} \times 2\frac{1}{5}$

2. You are installing a new floor in your house. The rectangular floorboards you have decided on have the following dimensions; $3\frac{1}{2}$ feet by $\frac{1}{2}$ foot. You have determined that you need 110 floorboards. What is the total area covered by flooring in ft^2 ?