1. Simplify each of the following fractions to lowest terms:

i) $\dfrac{8}{12}$	II) $\dfrac{20}{25}$	iii) $\dfrac{24}{56}$	iv) $\dfrac{36}{60}$
v) $\dfrac{30}{36}$	vi) $\dfrac{28}{44}$	vii) $\dfrac{15}{35}$	viii) $\dfrac{40}{48}$
ix) $\dfrac{72}{45}$	x) $\dfrac{39}{52}$	xi) $\dfrac{36}{54}$	xii) $\dfrac{88}{120}$

2. Multiply each of the following and simplify your answer to lowest terms:

i) $\dfrac{2}{3} \times \dfrac{4}{10} \times \dfrac{15}{12}$	ii) $\dfrac{10}{24} \times \dfrac{24}{10} \times \dfrac{15}{12}$	iii) $\dfrac{5}{6} \times \dfrac{18}{20} \times \dfrac{30}{12}$
iv) $\dfrac{28}{24} \times \dfrac{16}{14} \times \dfrac{15}{45}$	v) $\dfrac{1}{2} \times \dfrac{2}{3} \times \dfrac{3}{4} \times \dfrac{4}{5} \times \dfrac{5}{6} \times \dfrac{6}{7}$	vi) $\dfrac{3}{5} \times \dfrac{10}{6} \times \dfrac{12}{20} \times \dfrac{40}{24} \times \dfrac{48}{80}$
vii) $10 \times \dfrac{3}{15} \times 24 \times \dfrac{2}{18}$	viii) $5\dfrac{1}{3} \times 2\dfrac{4}{8} \times \dfrac{6}{20}$	ix) $3\dfrac{3}{5} \times 1\dfrac{2}{9} \times \dfrac{10}{33}$
x) $3\dfrac{3}{7} \times 2\dfrac{1}{12} \times \dfrac{14}{10}$	xi) $2\dfrac{2}{9} \times 1\dfrac{3}{25} \times \dfrac{30}{7}$	xii) $20 \div 24 \times 6 \div 5 \times 48 \div 45$

3. Arrange each of the fractions from lowest to biggest:

i) $\dfrac{2}{6}, \dfrac{2}{8}, \dfrac{5}{12}$

ii) $\dfrac{1}{4}, \dfrac{2}{6}, \dfrac{7}{24}$

iii) $\dfrac{7}{15}, \dfrac{9}{21}, \dfrac{9}{20}$

4. Indicate what the value inside the box should be so that the equation will be equal:

$$\dfrac{\boxed{?}}{20} \times \dfrac{15}{16} \times 2\dfrac{2}{5} = \dfrac{9}{10}$$

5. John bought 3/8 of a pizza and then ½ of what she bought. What fraction of a pizza did she eat?

6. 2/3 of the area in British Columbia is covered in trees. 2/5 of all trees can be harvested for logging. What fraction of BC is covered with trees that can not be used for logging?

7. It is estimated that 1/5 of all males will develop cancer in their lifetime. 3/20 of all cancer cases is related to lung cancer. What fraction of the male population will develop lung cancer?

8. Jim makes $11\dfrac{7}{8}$ per hour and worked $20\dfrac{4}{5}$ hours last week. If he can only save $\dfrac{15}{19}$ of the money he earns, how much money did he save last week?