Multiplying & Dividing Fractions

B. Multiply or divide the following fractions.

1. $2 \frac{3}{5} \times \frac{3}{4}$

2. $\frac{2}{3} \div 6$

3. $2 \frac{5}{6} \div 1 \frac{5}{12}$

4. $8 \frac{1}{8} \div 16 \frac{1}{4}$

5. $4 \times \frac{5}{16}$

6. $11 \frac{1}{9} \div 100$

7. $12 \frac{1}{2} \div 15$

8. $3 \times \frac{2}{3} \times \frac{4}{5}$

9. $2 \frac{1}{2} \times \frac{6}{5} \times 2 \frac{1}{4}$

10. $\frac{9}{10} \div \frac{3}{4} \div 2$

11. $\frac{5}{8} \div 3 \frac{3}{4}$

12. $5 \frac{7}{8} \div 5 \frac{7}{8} \times \frac{3}{7}$

13. $3 \frac{1}{3} \times 3 \frac{3}{4}$

14. $1 \frac{2}{3} \div 1 \frac{1}{4} \times 2$

15. $1 \frac{1}{2} \times 2 \frac{1}{3} \times \frac{11}{14}$

16. $6 \frac{2}{5} \div 5 \frac{3}{5}$

17. $3 \frac{3}{10} \div 2 \frac{1}{8}$

18. $2 \frac{1}{2} \times 2 \frac{2}{5} \times \frac{15}{24}$

C. Solve the following problems.

1. What is $\frac{2}{3}$ of a share of $24 390?

2. An engine uses $\frac{3}{8}$ litres of gasoline every hour. At this rate, how much gasoline will this engine use in $3 \frac{1}{2}$ hours?

3. How many small packages of sugar each having a mass of $10 \frac{1}{4}$ grams can be made from a sack of sugar having a mass of 2460 grams?

4. A painter works $7 \frac{3}{4}$ hours per day. How many hours does this painter work in a 5 day week?

5. How many complete pieces of ribbon $\frac{7}{8}$ decimetres long can be cut from a roll of ribbon that is 140 decimetres long?

6. Multiply the difference of $\frac{3}{4}$ and $\frac{1}{5}$ by the sum of the same fractions.