

8th Grade Lesson 57

- I can solve mixed number problems.



Two and one half of what number is $7\frac{1}{3}$?

$$2\frac{1}{2} \cdot A = 7\frac{1}{3}$$

$$\frac{5}{2} \cdot \frac{5}{2} \cdot A = \frac{22}{3} \cdot \frac{2}{5}$$

$$A = \frac{44}{15}$$

Two and one fifth of $8\frac{1}{8}$ is what number?

$$2\frac{1}{5} \cdot 8\frac{1}{8} = B$$

$$\frac{11}{5} \cdot \frac{65}{8} = B$$

$$\frac{143}{8} = B$$

$$B = \frac{143}{8}$$

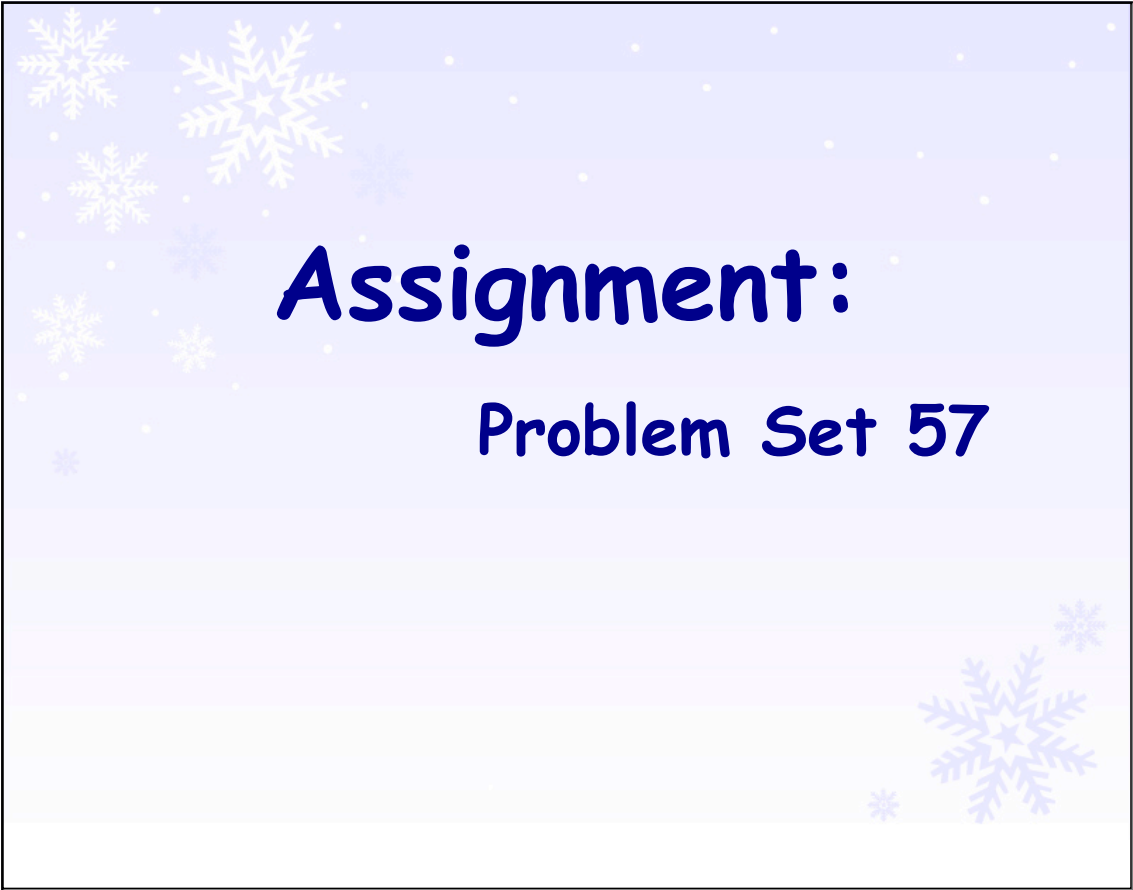
What fraction of $3\frac{2}{5}$ is $9\frac{7}{8}$?

$$F \cdot 3\frac{2}{5} = 9\frac{7}{8}$$

$$F \cdot \frac{17}{5} = \frac{79}{8}$$

$$F \cdot \frac{17}{5} \cdot \frac{5}{17} = \frac{79}{8} \cdot \frac{5}{17}$$

$$F = \frac{795}{136}$$



Assignment:

Problem Set 57

Students who received an A or B on Test #13
Assignments 57-60 are optional

2nd hour

Jaiden
Aly
Kira
Grace
Coltan

3rd hour

Gillian Kelli
Drew Kourtney
Katie Katarina
Ryan *David
Jonathan
Ronnie