1. **8:30 A.M.**

2. **9:00 A.M.**

3. **the 12:15 P.M. bus**

4. **a. 12 min**

   b. 20 min

   c. $7\frac{1}{2}$ min

5. **6 different amounts; $.40, $.45, $.50, *$.55,* $.60, $.65**

6. **22 stakes**

7. **$30**

8. **Start with $\frac{2}{3}$ and add $\frac{3}{4}$ repeatedly; $3\frac{2}{3}$, $4\frac{5}{12}$, $5\frac{1}{6}$**

9. **Answers may vary. Sample: $\frac{1}{2} + \frac{1}{3} = \frac{5}{6}$, $\frac{1}{3} + \frac{1}{6} = \frac{1}{2}$, $\frac{3}{1} + \frac{2}{1} = \frac{5}{1}$, $\frac{1}{2} + \frac{3}{6} = \frac{1}{1}$**

10. **60 freshmen**