Fractions Review

Solve the problems below. When you finish, check your answers at the back of the book. Then correct any errors.

1. A pole $8\frac{7}{8}$ inches long is laid end to end with a second pole that is $14\frac{1}{4}$ inches long. Which of the following is the best estimate of the combined length of the two poles?

a. 21 in. **b.** 22 in. **c.** 23 in. **d.** 24 in. **e.** 25 in.

2. A $12\frac{7}{8}$-ton railroad car is loaded with 18 pickup trucks each weighing $2\frac{1}{4}$ tons. Which expression below gives the best estimate of the combined weight in tons of the railroad car and the pickups?

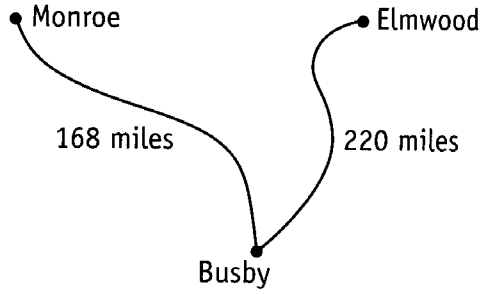
a. $18 \times (13 - 2)$
b. $12 + 18 \times 2$
c. $(13 + 18) \times 2$
d. $13 + 18 \times 2$
e. $18 \times 2 - 13$

3. Stacey grew $1\frac{1}{4}$ inches two years ago, $1\frac{3}{8}$ inches last year, and $\frac{7}{8}$ inch so far this year. How many inches has Stacey grown during all this time?

4. The value of James Company stock fell from $16\frac{1}{2}$ to $14\frac{7}{8}$ between June 1 and June 15. How many points did the stock value drop during the 2-week period?

5. After driving half of the distance from Busby to Elmwood, how many miles is Kathleen from Elmwood?

a. 34 **b.** 66 **c.** 84 **d.** 110 **e.** 126



6. Denice mixes $\frac{3}{8}$ pint of thinner into each gallon of stain she uses. How many whole pints of thinner will Denice need for a house requiring 13 gallons of stain?

7. Bryan, a jewelry maker, uses $\frac{5}{16}$ ounce of gold for each ring he designs. How many complete rings can Bryan make when his gold supply is down to $2\frac{5}{8}$ ounces?