WRITTEN PRACTICE ANSWERS

1  ; $83\frac{1}{3}\%$

2 26 years

3 **a.** 25%

b. $\frac{3}{4}$

4 D

5 $\frac{4}{6} < \frac{5}{6}$

6 $\frac{9}{4}$; $2\frac{1}{4}$

7 $\frac{3}{5}$

8 **a.** 2 cm

b. 0.25 sq. cm

9 90 mm

10 $\frac{3}{8}$

11 $\frac{1}{4}$

12 $\frac{1}{8}$

13 $1\frac{1}{8}$

14 $1\frac{3}{8}$

15 $6\frac{1}{2}$

16 $1\frac{4}{5}$

17 5

18 650

19 368

20 0.072

21 \$1.32

22 \$1.10

23 35

24 $\angle ADC$ or $\angle CDA$

25 $\frac{11}{12}$

26 17 sq. ft

27 No; sample: the division 85 ÷ 12 produces a remainder.

28 Sample: Use compatible numbers; since 11.7 is close to 12 and 29 is close to 30, a reasonable estimate is 12 × 30, or 360 miles.

29 Sample: Since $\frac{2}{3} > \frac{1}{2}$ and $\frac{3}{4} > \frac{1}{2}$, the sum of $\frac{2}{3}$ and $\frac{3}{4}$ will be greater than $\frac{1}{2} + \frac{1}{2}$, or 1; since $\frac{3}{8} < \frac{1}{2}$ and $\frac{2}{5} < \frac{1}{2}$, the sum of $\frac{3}{8}$ and $\frac{2}{5}$ will be less than $\frac{1}{2} + \frac{1}{2}$, or 1.

WRITTEN PRACTICE ANSWERS

30 **a.** 1 hr 35 min

b. 7:40 p.m.

c. Sample: Yes, if the train arrives in Fort Collins as scheduled (at 11:40 p.m.), Tim can be back on campus before midnight. He should get to campus at about 11:45 p.m.

Early Finishers:

a $4\frac{7}{8} - 1\frac{3}{4} = 3\frac{1}{8}$ miles

b $10\frac{1}{8}$ miles

