

Ch. 5 Study Guide

Chapter 5 Closure What have I learned?

Reflection and Synthesis

Doing the problems in this section will help you to evaluate which types of problems you feel comfortable with and which ones you need more help with. Solve each problem as completely as you can.

CL-1. Find the products.

a) 0.1×0.01

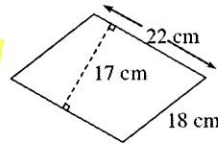
b) $\frac{8}{9} \times 0.91$

CL-2. Simplify the following expressions.

a) $10 \cdot \frac{3}{8}$

b) $4.9(0.2)$

CL-3. What is the base? What is the height?

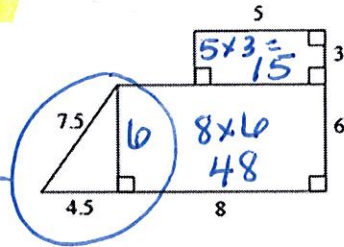


CL-4. Multiply.

$1 \frac{1}{10} \cdot 2 \frac{3}{10}$

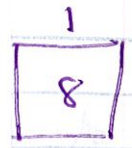
CL-5. Write $\frac{23}{6}$ as a mixed number.

CL-6. Find the total area.



- ① 0
- ② a) $\frac{10}{1}$
- ③ Th. beca
- ④
- ⑤ $\frac{23}{6}$
 $A = \frac{1}{2}bh$
 $A = \frac{1}{2} \cdot 4.5 \cdot 6$
 $A = 3 \cdot 4.5$
 $A = 13.5$
- ⑥ $\frac{45}{3}$
 $\begin{array}{r} 45 \\ \times 3 \\ \hline 135 \end{array}$

- 6
- 12
- 18
- 24
- 30
- 36



2.98

mar)

2.53

① a)
$$\begin{array}{r} 0.01 \\ \times 0.1 \\ \hline 0.01 \end{array}$$
 ③

$$\boxed{.001}$$

b)
$$\frac{8}{9} \times \frac{91}{100} = \frac{728}{900}$$

$$\begin{array}{r} 364 \\ 450 \end{array} \quad \begin{array}{r} 182 \\ 225 \end{array}$$

$$\begin{array}{|c|c|} \hline 90 & 1 \\ \hline 8 & 720 & 8 \\ \hline \end{array}$$

② a)
$$\frac{10}{1} \cdot \frac{3}{8} = \frac{30}{8} = 3\frac{6}{8} = 3\frac{3}{4}$$

b)
$$\begin{array}{r} 4.9 \\ 0.2 \\ \hline 9.8 \end{array}$$
 ②
$$\boxed{0.98}$$

③ The base and height are 22 and 17 because they form a 90° angle. (Perpendicular)

④
$$\frac{11}{10} \cdot \frac{23}{10} = \frac{253}{100}$$
 OR
$$\begin{array}{|c|c|} \hline 20 & 3 \\ \hline 220 & .33 \\ \hline \end{array} \rightarrow \boxed{2\frac{53}{100} = 2.53}$$

- 6
- 12
- 18
- 24
- 30
- 36

⑤
$$\frac{23}{6} = \frac{25}{36}$$

⑥
$$\begin{array}{r} 48.0 \\ + 15.0 \\ 13.5 \\ \hline 76.5 \end{array}$$

The total area is 76.5 square units.