

Homework**Solve.**

1. $4 \overline{)21}$

$4 \overline{)22}$

$4 \overline{)23}$

$4 \overline{)24}$

$4 \overline{)25}$

2. $6 \overline{)21}$

$6 \overline{)22}$

$6 \overline{)23}$

$6 \overline{)24}$

$6 \overline{)25}$

3. Describe how the repeating pattern in row 1 is different from the pattern in row 2. Explain why.

Use any method to solve.

4. $8 \overline{)6,726}$

5. $7 \overline{)9,259}$

6. $3 \overline{)1,504}$

7. $2 \overline{)8,037}$

8. $9 \overline{)3,385}$

9. $5 \overline{)2,347}$

10. $6 \overline{)9,003}$

11. $4 \overline{)8,360}$

Solve.

12. Altogether, the members of an exercise club drink 840 bottles of water each month. Each member drinks 8 bottles. How many members are there?

13. There are 7,623 pencils ready to be packaged in boxes at a factory. Each box holds 6 pencils. How many full boxes of pencils can be packaged?

Remembering

Subtract. Show your new groups.

$$\begin{array}{r} 1. \quad 5,267 \\ - 1,390 \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad 9,000 \\ - 2,482 \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad 6,129 \\ - 5,773 \\ \hline \end{array}$$

Cross out the additional numerical information and solve.

Show your work.

4. Rick is selling fresh-squeezed lemonade for \$2 a serving. Rick makes each serving with 2 lemons and 4 tablespoons of sugar. If he sells 27 servings of lemonade, how much sugar does he use?

5. An animal shelter receives 9 large bags of dog food every month for 14 years. Each bag weighs 55 pounds. How many pounds of dog food does the animal shelter receive each month?

Solve using any method.

$$6. \quad 3 \overline{)452}$$

$$7. \quad 8 \overline{)527}$$

$$8. \quad 4 \overline{)3,693}$$

9. **Stretch Your Thinking** What is the greatest remainder you could have with the divisor 3? With the divisor 8? With the divisor 5? Explain.

