

**Homework****Add or subtract.**

$$\begin{array}{r} 1. \quad 2\frac{2}{3} \\ + 4\frac{1}{3} \\ \hline 7 \end{array}$$

$$\begin{array}{r} 2. \quad 9\frac{7}{9} \\ - 4\frac{5}{9} \\ \hline 5\frac{2}{9} \end{array}$$

$$\begin{array}{r} 3. \quad 5\frac{4}{5} \\ + 7\frac{3}{5} \\ \hline 13\frac{2}{5} \end{array}$$

$$\begin{array}{r} 4. \quad 8 \\ - 1\frac{1}{6} \\ \hline 6\frac{5}{6} \end{array}$$

$$\begin{array}{r} 5. \quad 18\frac{5}{8} \\ + 12\frac{7}{8} \\ \hline 31\frac{4}{8} \end{array}$$

$$\begin{array}{r} 6. \quad 10\frac{1}{4} \\ - 3\frac{3}{4} \\ \hline 6\frac{2}{4} \end{array}$$

**Multiply. Write your answer as a mixed number or a whole number, when possible.**

$$7. \quad 5 \cdot \frac{1}{5} = \underline{1}$$

$$8. \quad 5 \cdot \frac{4}{7} = \underline{2\frac{6}{7}}$$

$$9. \quad 20 \cdot \frac{3}{10} = \underline{6}$$

$$10. \quad 8 \cdot \frac{1}{6} = \underline{1\frac{2}{6}}$$

$$11. \quad 9 \cdot \frac{7}{12} = \underline{5\frac{3}{12}}$$

$$12. \quad 2 \cdot \frac{4}{9} = \underline{\frac{8}{9}}$$

**Write an equation. Then solve.****Equations will vary.***Show your work.*

13. At the science-club picnic  $\frac{2}{3}$  cup of potato salad will be served to each student. If 20 students attend the picnic, how much potato salad will be needed?

$$p = 20 \cdot \frac{2}{3}; 13\frac{1}{3} \text{ cups}$$


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14. Skye spent  $4\frac{2}{6}$  hours reading over the weekend. If she read  $1\frac{5}{6}$  hours on Saturday, how long did she read on Sunday?

$$1\frac{5}{6} + x = 4\frac{2}{6}; 2\frac{3}{6} \text{ hours}$$


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## Remembering

Tell whether 3 is a factor of each number. Write *yes* or *no*.

1. 12

yes

2. 14

no

3. 38

no

4. 51

yes

Tell whether each number is a multiple of 6. Write *yes* or *no*.

5. 46

no

6. 54

yes

7. 21

no

8. 30

yes

Find the area and perimeter for rectangles with the lengths and widths shown.

9.  $l = 7$  units $w = 8$  units $A = \underline{56 \text{ sq units}}$  $P = \underline{30 \text{ units}}$ 10.  $l = 2$  units $w = 4$  units $A = \underline{8 \text{ sq units}}$  $P = \underline{12 \text{ units}}$ 11.  $l = 7$  units $w = 5$  units $A = \underline{35 \text{ sq units}}$  $P = \underline{24 \text{ units}}$ 

Write an equation. Then solve.

*Show your work.*

12. Mattie walks  $\frac{3}{4}$  mile to school and then back each day. How many miles does she walk to and from school in 5 days?

$$w = 10 \cdot \frac{3}{4}; \frac{30}{4} \text{ or } 7\frac{2}{4} \text{ miles}$$

13. A certain postage stamp is 2 inches long and  $\frac{5}{6}$  inches wide. What is the area of the stamp?

$$a = 2 \cdot \frac{5}{6}; \frac{10}{6} \text{ or } 1\frac{4}{6} \text{ square inches}$$

14. **Stretch Your Thinking** For a woodworking project, Tyler has cut 14 boards that are each  $\frac{3}{4}$  yard and one board that is  $2\frac{1}{4}$  yards. What is the total length of the boards Tyler has cut? Show your work.

$$12\frac{3}{4} \text{ yards; } 14 \times \frac{3}{4} = \frac{42}{4} = 10\frac{2}{4}, 10\frac{2}{4} + 2\frac{1}{4} = 12\frac{3}{4} \text{ yards}$$