Use what you know about the Commutative Property to solve for *n*.

1. $26{,}184 + 1{,}546 = 1{,}546 + n$

$n =$ _____

2. $17.39 + 12.58 = 12.58 + n$

$n =$ _____

Regroup the numbers using the Associative Property. Then add.

3. $(\frac{7}{10} + \frac{3}{4}) + \frac{1}{4} =$

_____

4. $1.02 + (0.98 + 4.87) =$

_____

5. $2\frac{5}{8} + (\frac{3}{8} + \frac{2}{3}) =$

_____

Use the Distributive Property to rewrite the problem so it has only two factors. Then solve.

6. $(25 \times 9) + (75 \times 9) =$

_____

Group the numbers to make the addition easier. Then add.

7.	**8.**	**9.**	**10.**
20,000	10.75	1.600	$1\frac{7}{11}$
70,000	10.4	1.200	$5\frac{5}{6}$
30,000	10.25	1.200	$\frac{3}{11}$
68,000	10.57	+ 1.479	$2\frac{1}{6}$
+ 80,000	+ 10.6		$+ \frac{1}{11}$

11. On Monday, Mr. Borden ran 4.6 miles in the morning and 0.78 miles that afternoon. On Tuesday, he ran 3.4 miles. How much did he run on Monday and Tuesday all together. Write an equation and solve.

_____

Remembering

Solve.   *Show your work.*

1. Trent is making a week's worth of after-school snacks for himself and his sister. He uses $1\frac{1}{5}$ cups of mixed nuts and $2\frac{3}{4}$ cups of granola. How many cups did he use in all?

_____

2. Shannon walked $4\frac{7}{8}$ miles and ran $3\frac{1}{2}$ miles during the week. How much further did she walk than run?

_____

Add.

3. $\$54.25 + 55¢ =$ _____

4. $68¢ + 21¢ =$ _____

5. $92¢ + \$2.39 =$ _____

6.   0.06 m
   + 0.9 m

7.   0.44 m
   + 0.15 m

8.   5.6 m
   + 0.7 m

Subtract.

9.   70,763
   − 2,176

10.   6,982
   − 455

11.   5,000
   − 452

12.   46,872
   − 8.28

13.   561.5
   − 478.49

14.   676.54
   − 196.9

15. **Stretch Your Thinking** Use decimals and fractions in the same equation showing the Commutative Property. Repeat for the Associative Property.

_____

_____

                         Properties and Strategies