Name _____

Addition Properties

R 1-4

Example 1 Connie wants to buy all three items. To find the total cost, she will add $12 + $35 + $28 mentally.

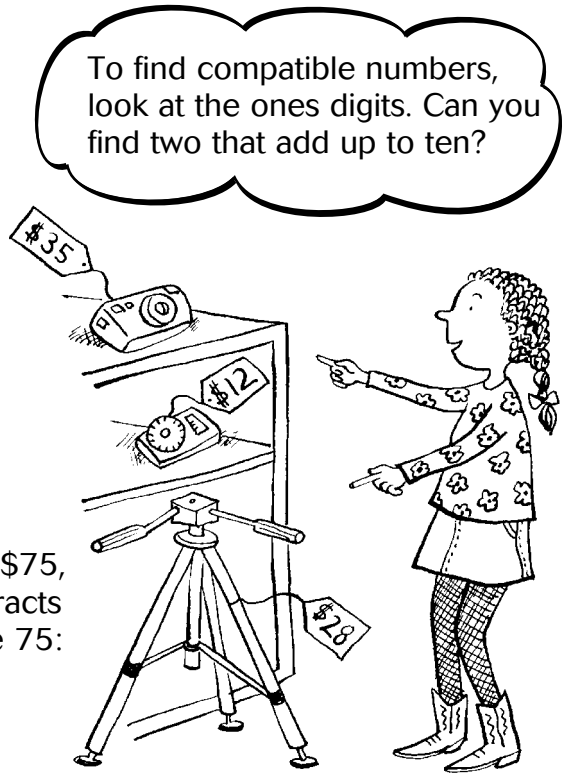
Step 1 Connie notices that she can easily add the $12 to the $28 to get $40. The 12 and 28 are **compatible numbers**, numbers that are easy to add mentally.

Step 2 To add $40 + $35, Connie breaks apart the 35:

$$35 = 30 + 5$$
$$\$40 + \$30 = \$70 \rightarrow + \$5 = \$75$$

Example 2 Connie has $117. If she spends $75, how much money will she have left? She subtracts $75 from $117 mentally. She breaks apart the 75:

$$75 = 70 + 5$$
$$\$117 - \$70 = \$47 \rightarrow - \$5 = \$42$$



Use compatible numbers to add mentally.

1. 7 + 38 + 13

_____

2. 41 + 9 + 55

_____

3. 3.1 + 2.4 + 0.9

_____

4. 75 + 46 + 45

_____

5. 34 + 19 + 16

_____

6. 24 + 86 + 86

_____

Use a "break-apart" strategy to compute mentally.

7. 54 + 29

_____

8. 68 − 44

_____