## **Crafty Combinations**

**You need** *I* a photocopy of the combinations copymaster

## Activity

Sometimes when you need to add several numbers together, you can combine some of the numbers to make the problem easier.

For example, for 3 + 5 + 2 + 6 + 7 + 4, you might notice that:





Your team has collected these tins of donations for a local street appeal. How much money has your team collected altogether?



Use a combining strategy to solve the following problem. Explain your answer.

14 + 800 - 1 + 555 + 986 - 999 + 445 + 200 = 🗆

5.) Use a combining strategy to solve these problems:

a.  $\frac{1}{2} + 1 + 1\frac{1}{2} + 2 + 2\frac{1}{2} + 3 + 3\frac{1}{2} = \Box$ 

- b.  $0.1 + 1.2 + 0.8 + 0.5 + 1.6 + 1.5 + 0.4 + 1.9 = \Box$
- c.  $10 \frac{3}{4} \frac{2}{5} \frac{2}{3} \frac{4}{7} \frac{3}{5} \frac{1}{4} \frac{1}{3} \frac{3}{7} = \Box$
- 6. **a.** What is true about *all* the examples in this activity that makes combining a good strategy to use?
  - **b**. Will combining be a useful strategy for *all* addition and subtraction problems?

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