

REVIEW: Estimating Whole Number Sums and Differences

Name _____

Key Concept and Vocabulary

$$\begin{array}{r} 71 \rightarrow 70 \\ + 26 \rightarrow + 30 \\ \hline 100 \end{array}$$

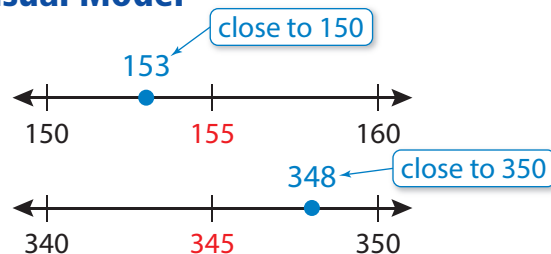
Round to the nearest ten.

$$\begin{array}{r} 832 \rightarrow 800 \\ - 478 \rightarrow - 500 \\ \hline 300 \end{array}$$

Round to the nearest hundred.



Visual Model



153 + 348 is about 500.

Skill Examples

1. Round to the nearest hundred to estimate the sum.

$$\begin{array}{r} 628 \rightarrow 600 \\ + 283 \rightarrow + 300 \\ \hline 900 \end{array}$$

So, 628 + 283 is about 900.

2. Use compatible numbers to estimate the difference.

$$\begin{array}{r} 557 \rightarrow 550 \\ - 21 \rightarrow - 25 \\ \hline 525 \end{array}$$

So, 557 - 21 is about 525.

Application Example

3. A beach hut owner sells 178 towels and 54 pairs of goggles. About how many items does the owner sell?

Use compatible numbers to estimate the sum.

$$\begin{array}{r} 178 \rightarrow 175 \\ + 54 \rightarrow + 50 \\ \hline 225 \end{array}$$

The owner sells about 225 items.

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Round to the nearest ten to estimate the sum or difference.

4. 62 + 16 is about 80. 5. 894 - 435 is about 450. 6. 944 - 29 is about 910.

Round to the nearest hundred to estimate the sum or difference.

7. 163 + 481 is about 700. 8. 245 + 86 is about 300. 9. 754 - 372 is about 400.

Use compatible numbers to estimate the sum or difference. 10-12. Sample answers are given.

10. 524 + 347 is about 875. 11. 926 - 628 is about 300. 12. 773 - 28 is about 750.

13. **WATER BALLOONS** You fill 153 water balloons. Your friend fills 209 water balloons. About how many water balloons do you and your friend fill? Sample answer: about 350 water balloons

14. **TRADING CARDS** You have 118 fire animal cards and 147 water animal cards. About how many more water animal cards do you have than fire animal cards? Sample answer: about 30 cards

15. **TICKETS** You sell 351 raffle tickets. Newton sells 216 tickets and Descartes sells 184 tickets. About how many tickets do you, Newton, and Descartes sell in all? Sample answer: about 800 tickets