

Expand-and-Trade Subtraction



NAME _____

DATE _____

Family Note

In this lesson your child subtracted multidigit numbers using expand-and-trade subtraction. Instead of using base-10 blocks, your child used expanded form to think about making trades. Your child continued to use ballpark estimates to check whether answers made sense.

Example: $62 - 36 = ?$

- Write a number sentence to show a ballpark estimate: $60 - 40 = 20$.

- Write each number in expanded form.
$$\begin{array}{r} 62 \rightarrow 60 + 2 \\ - 36 \rightarrow 30 + 6 \end{array}$$

- Look at the 10s and 1s. Can you subtract without making trades? No; so trade 1 ten for 10 ones.
Cross out 60 (6 tens) and replace it with 50 (5 tens).
Cross out 2 (2 ones) and replace it with 12 (12 ones).
Then subtract.
$$\begin{array}{r} 62 \rightarrow 50 + 12 \\ - 36 \rightarrow 30 + 6 \\ \hline 20 + 6 = 26 \end{array}$$

Add the tens and ones to find the total: $20 + 6 = 26$. So $62 - 36 = 26$.

- Compare your answer to your estimate: 20 is close to 26, so 26 is a reasonable answer.

Please return this Home Link to school tomorrow or as requested by the teacher.

Use expand-and-trade subtraction to solve. Use a ballpark estimate to check your answer.



① $55 - 37 = ?$

Ballpark estimate:

Solution:

② $81 - 28 = ?$

Ballpark estimate:

Solution:

$55 - 37 = \underline{\hspace{2cm}}$

$81 - 28 = \underline{\hspace{2cm}}$