

Student Guide

Subtracting with Base-Ten Pieces
(SG pp. 158–160)

Questions 1–10

- 1–3.* See discussion in the lesson.
- 4. 193 cards;
- 5. 88 cards;
- 6. 151; Yes, Darius is correct. We can't take 7 skinnies from 2 skinnies, so we must trade 1 flat for 10 skinnies. Then we have 12 skinnies and can take 7 skinnies away.
- 7. 356;
- 8. 159;
- 9. 277;
- 10. Yes. I traded 1 skinny for 10 bits. Then I had 16 bits, so I could take 9 away.

Subtracting with Base-Ten Pieces

Selling Chocos

A store had 573 Chocos at the start of one day. During the day, 289 Chocos were sold. Kathy and Josh used base-ten pieces to find out how many Chocos were left at the end of the day. They recorded their work using base-ten shorthand.

1. Use base-ten pieces to solve the problem using Kathy's method.

Kathy's Method

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2. Use base-ten pieces to solve the problems using Josh's method.

Josh's Method

3. How are the methods alike and how are they different?

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Explore

Use base-ten pieces to solve the following problems. Record your answers using base-ten shorthand.

4. Emily collects baseball cards. She has 413 cards. If she puts 220 into a box, how many cards are left to be stored?
5. Sam had 124 small cars in his collection. He sold 36 cars to Josh. How many cars does Sam have left?

✓ **Check-In: Questions 6-10**

6. Solve $326 - 175$. Darius says that when he solved the problem, he had to trade 1 flat for 10 skinnies. Do you agree or disagree? Explain why.
7.
$$\begin{array}{r} 431 \\ - 75 \\ \hline \end{array}$$
8.
$$\begin{array}{r} 312 \\ - 153 \\ \hline \end{array}$$
9.
$$\begin{array}{r} 526 \\ - 249 \\ \hline \end{array}$$
10. In Question 9, did you trade any skinnies for bits? If yes, show or tell what you did and why.

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*Answers and/or discussion are included in the lesson.