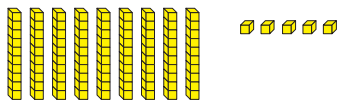
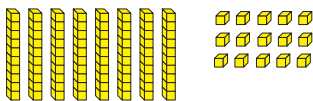


# Expanded Form Subtraction

- Richard solved  $95 - 49$ . He estimated a difference of about 50. Do you agree? Show or tell why or why not.
- Richard put these base-ten pieces down to show 95:



To subtract 49, Richard had to make a trade. After trading he had these pieces:



Where did he get the 15 bits?

- Use Richard's base-ten pieces to show  $95 - 49$ .



- Richard started to use expanded form to solve  $95 - 49$ . Help him finish his solution.

$$\begin{array}{r}
 95 = 90 + 5 = 80 + 15 \\
 49 = \underline{\hspace{2cm}}
 \end{array}$$

- Why did Richard write 15?

5. Do you think your answer to Question 4 is correct? How can your answers in Questions 1 and 3 help you check your calculations in Question 4?
6. Show how to use addition to check your answer in Question 4.

<b>Expanded Form Subtraction Feedback Box</b>	<b>Expectation</b>	<b>Check In</b>	<b>Comments</b>
Use and apply place value concepts. [Q# 1–4]	E1		
Represent subtraction problems using base-ten pieces. [Q# 2]	E2		
Subtract multidigit numbers using base-ten pieces. [Q# 3]	E3		
Subtract multidigit numbers using the expanded-form method. [Q# 3–4]	E4		
Estimate differences using mental math strategies. [Q# 1]	E5		

	Yes ...	Yes, but ...	No, but ...	No ...
<b>MPE3. Check for reasonableness.</b> I look back at my solution to see if my answer makes sense. If it does not, I try again. [Q# 5]				
<b>MPE4. Check my calculations.</b> If I make mistakes, I correct them. [Q# 5–6]				