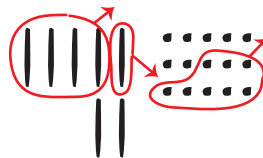# Subtraction Strategies Quiz

Richard, Kim, and Jessie solved 75 − 48 using different methods. Use the *Subtraction Strategies Menu* in the Reference section.

Richard's Solution	Kim's Solution	Jessie's Solution

Richard's Solution

$$\begin{array}{r} \overset{6\ 15}{\cancel{75}} \\ -\ 48 \\ \hline 27 \end{array}$$

Jessie's Solution

$$75 = 70 + 5 = 60 + 15$$
$$\underline{48 = 40 + 8 = 40 +\ \ 8}$$
$$20 +\ \ 7 = 27$$

1. Kim traded 1 skinny for 10 bits. How did Richard show that he made a trade?

2. How did Jessie show that she made a trade?

3. Solve 75 – 48 using a mental math strategy.

4. A. Show how to check Jerome's work with addition.

$$
\begin{array}{r}
18\overset{14}{\cancel{4}} \\
-\ \ 65 \\
\hline
129
\end{array}
$$

B. Do you agree with Jerome's answer? If not, solve the problem again.

5. A. Estimate $150 - 117.$ _____
B. Solve using a paper-and-pencil strategy.

6. A. Estimate $142 - 61.$ _____
B. Solve using any strategy.

C. How do you know your answer is reasonable?

D. Solve the problem another way to check your answer.

Name _____ Date _____

Subtraction Strategies Quiz Feedback Box	Expectation	Check In	Comments
Use and apply place value concepts to make connections among representations of numbers to the thousands using base-ten pieces, expanded form, and standard form. [Q# 1–2]	E1		
Subtract multidigit numbers using mental math strategies (e.g., composing and decomposing numbers, counting up) with number lines, a 200 Chart, and base-ten pieces. [Q# 3, 5, 6]	E3		
Subtract multidigit numbers using paper-and-pencil methods (e.g., expanded form, compact). [Q# 1–2, 4]	E4		
Estimate differences using mental math strategies (e.g., rounding using benchmarks, using friendly numbers, composing and decomposing numbers, counting on). [Q# 5, 6A]	E5		

	Yes . . .	Yes, but . . .	No, but . . .	No . . .
MPE2. Find a strategy. I choose good tools and an efficient strategy for solving the problem. [Q# 3, 4B, 5, 6A, 6D]				
MPE3. Check for reasonableness. I look back at my solution to see if my answer makes sense. If it does not, I try again. [Q# 6C]				
MPE4. Check my calculations. If I make mistakes, I correct them. [Q# 4, 6]				