Money for school camp

Annotation

Mary solves this division problem by applying a recently learned place value multiplication strategy. She is able to explain how she partitions and recombines a 2-digit number to achieve a correct solution.

Problem: Money for school camp.

The teacher shows this problem to the student and reads it with her as required:

The school craft stall was raising money for school camp. It was open before school each day. The stall made a total of $96, an average of $24 each day. How many days was the stall open?

Student response

Mary:	4 days.
Teacher:	Tell me how you did that.
Mary:	Well I knew it was a 'divided by' problem but I kind of thought of it as a times one, like 'what x 24 makes 96'. I know that 4 x 20 is 80 and that leaves 16. I know that 4 x 4 is 16 so I added the 20 and 4 to check that it was the $24 made each day and I was right. So it's 4 x $24 that makes the $96. So the stall was open 4 days.
Teacher:	What do you know that helped you?
Mary:	I know my fours and I know I can split 2-digit numbers like the 24 into its parts. We've been doing lots of those. And then you just have to know how to put the parts back together again to check you are right.