Transcript of video Facts and Models

http://topdrawer.aamt.edu.au/Mental-computation/Good-teaching/Multiplication-and-division/Number-fact-fluency/Facts-and-models

Anne: Vince, I can see you've got your five cards in front of you. Can you use four of those five cards to make a multiplication or division fact? Okay. Can you tell me what you've made?

Vince: 3 times 6 equals 18, that's the tens place.

(Placing cards on the sheet of paper to make multiple and division fact and explaining the calculations)

Anne: Okay. And how do you know 3 times 6 equals 18?

Vince: Um, well, I usually go 3 times 5 and that's 15, and I need another three so that's 18.

(Explaining the calculations behind getting the solution to the problem)

Anne: Okay. Could you draw a picture to show me your thinking?

Vince: Well, five lots of three would be like this.

(Drawing a picture on the sheet to paper to explain the calculation)

Anne: Mm-hm.

Vince: And another three, that's six threes, will be 18.

(Drawing a picture on the sheet to paper to explain the calculation)

Anne: Okay. Thank you. You get a point for the multiplication fact and you get an extra point for your explanation. You can get another fact… another point if you can give me another fact. What is it?

Vince: 6 times 3.

(Making another multiple fact from the cards)

Anne: Okay.

Vince: Is 18.

Anne: Could you think of a division fact for eighteen?

Vince: 18 divided by 3 equals 6.

(Making another division fact from the cards)

Anne: Okay, that's another point to you.