

Short Cuts

ACTIVITY

Beni's teacher, Ms Greer, put this equation on the whiteboard for the class:

$$5\ 162 + 3\ 274 = 8\ 436$$

1. Then she said, "Without working out the whole problem, give me the totals of these statements. Use the equation to help you."

a. Follow Ms Greer's instructions.

5 162 + 3 274 = 8 436

- i. 5 162 + 3 294
- ii. 5 162 + 3 244
- iii. 5 162 + 3 074
- iv. 5 162 + 3 974

Hmm ...
How is 3 294 different from 3 274?

b. Explain how you used the equation to help you.

2. Then Ms Greer put $6\ 736 - 2\ 461 = 4\ 275$ on the whiteboard.

Without working out the whole problem, give me the differences for the statements, using the equation to help you.



$$6\ 736 - 2\ 461 = 4\ 275$$

- i. 6 736 - 2 464
- ii. 6 736 - 2 453
- iii. 6 736 - 2 491
- iv. 6 736 - 2 661
- v. 6 736 - 2 441
- vi. 6 736 - 2 961

a. Follow Ms Greer's instructions.

b. Explain how you used the equation to help you.