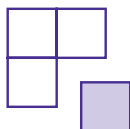


Square Number Differences

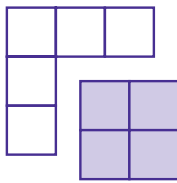
You need: square tiles or square grid paper

ACTIVITY

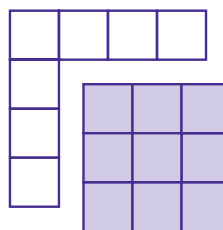
1. a. Complete the missing answers.



$$2^2 - 1^2 = 3$$



$$3^2 - 2^2 = \square$$



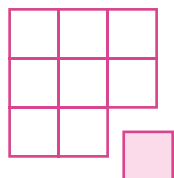
$$4^2 - 3^2 = \square$$

- b. Investigate the differences between consecutive square numbers.

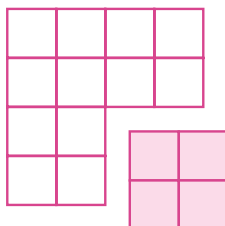


- c. Use your pattern to predict the answer to $19^2 - 18^2$.

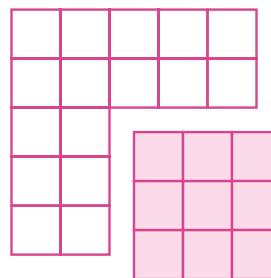
2. a. Complete the missing answers.



$$3^2 - 1^2 = 8$$



$$4^2 - 2^2 = \square$$



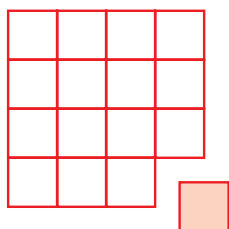
$$5^2 - 3^2 = \square$$

- b. Investigate the differences between alternate square numbers.

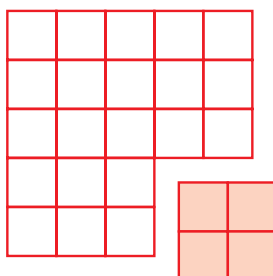


- c. Use your pattern to predict the answer to $13^2 - 11^2$.

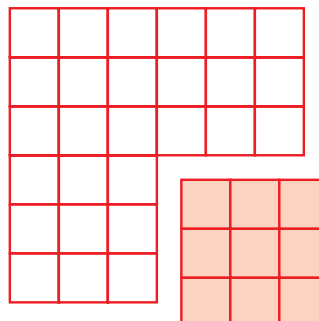
3. a. Complete the missing answers.



$$4^2 - 1^2 = 15$$

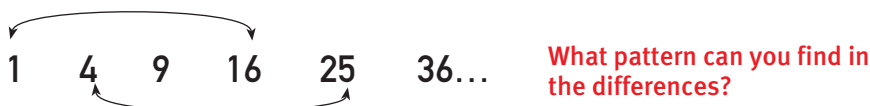


$$5^2 - 2^2 = \square$$



$$6^2 - 3^2 = \square$$

- b. Investigate the difference between any square number and the third largest square number from that number.



- c. Use your pattern to predict the answer to $17^2 - 14^2$.



SQUARE TILES

SQUARE TILES