

## Pythagoras investigation - Tilted Squares (nrich)

### Starter

1. **(Review of last lesson)** Estimate the cost of 9.7 m of material at £8.19 per metre.
- 2\*. **(Review of last lesson)** Jim bought 231 feet of decking timber. This was in planks 5'11" (5 feet 11 inches) long. Approximately how many planks did Jim buy?
- 3\*. **(Review of last lesson)** The formula for the volume of a pyramid is  $V = \frac{1}{3} \times \text{base area} \times \text{height}$ . Find an approximation for the volume of a pyramid which has a rectangular base, measuring 81.2 mm and 58.6 mm, and height 19.7 mm.

### Exercise

Do the [Tilted Squares](#) investigation or p47 Ex 3.1

[Solutions to Starter and E.g.s](#)

[Textbook answers \(only available during a lockdown\)](#)