

## THE NEW PUBLISHING ROOM

The school has just found an unused storage room that they want to convert into a new publishing room for the yearbook committee to work in. There are three options for how to purchase flooring for this room:

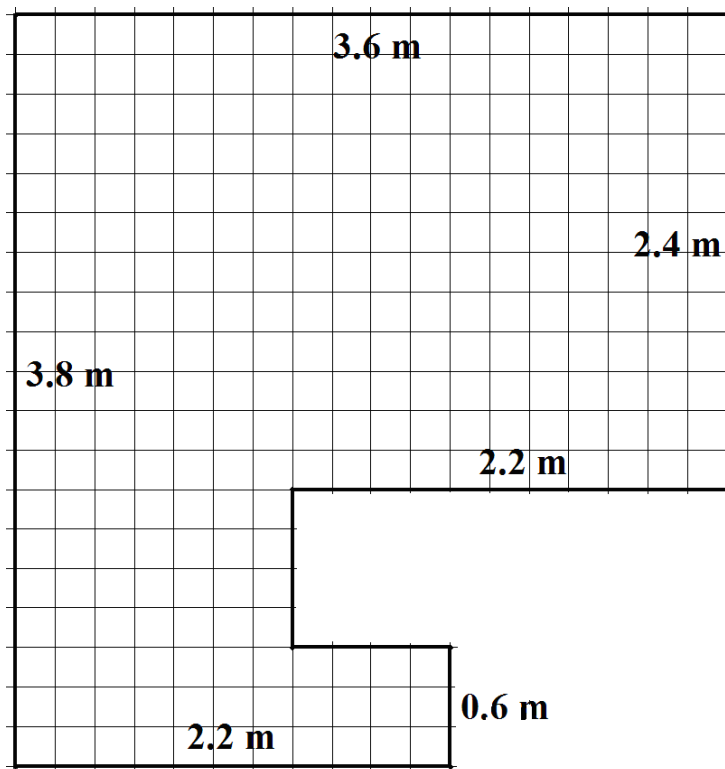
**Square Tiles** – each tile is 20 cm x 20 cm and costs \$28 for a box of 20 tiles. Individual tiles can also be bought for \$2 a piece. Unused tiles cannot be returned.

**Rectangular Panels** – each panel is 20 cm x 60 cm and costs \$33 for a box of 8 panels. They cannot be purchased in individual panels and unused panels cannot be returned.

**Sheets** – each sheet is 1 m x 2 m and costs \$50 each. The sheets are sold individually and unused sheets cannot be returned.

Cost is an issue! Your task is twofold:

- Determine which floor costs less.
- Prove to the principal that your choice is the **best** possible solution (costs less than any other proposal).



# The new Publishing Room – work grids

