

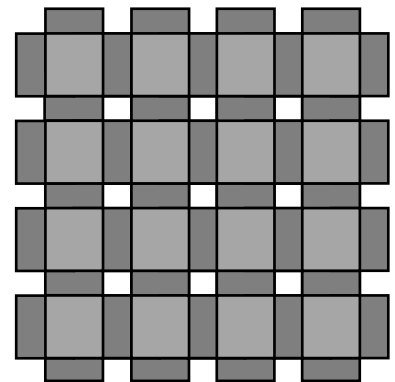
Room 2: Home

Set up

Display in the room this verse:

The Word became flesh and made his dwelling among us. (John 1.14)

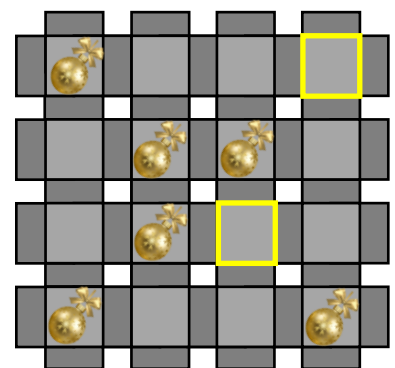
Put out a 4 x 4 box (see right). Place 12 baubles beside it. If you want to go big, put up a tree with 12 baubles hanging on it (big string to make it easier to remove them, and remember you'll be replacing them for the next group).



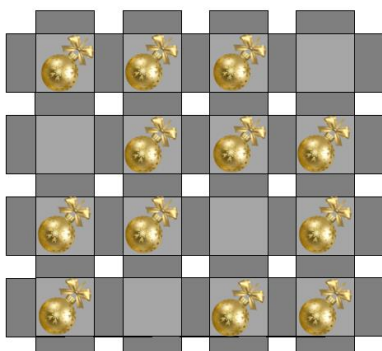
Say: **All the decorations need to be put away in the box. To complete this challenge, you need to place the twelve baubles in the box so that there are no more than three baubles in each row horizontally, vertically and diagonally.**

Clue 1: If people are struggling, you can help them with the diagonals, to produce this diagram (right).

Clue 2: If people need more help, show them that the two diagonals already have 3 in, so there can't be a bauble in either of the yellow boxes. Now they're only placing six baubles in eight boxes.



A possible solution (there are multiple solutions - this can also be rotated):



When they've answered correctly, ring 'Home' on their sheet.

You'll need to reset the puzzle when they leave.

Room 5: Simplicity

Set up

Display in the room this verse: **So they hurried off and found Mary and Joseph, and the baby, who way lying in the manger. (Luke 2.16)**

Set up a Christmas tree with nine baubles (six red and three gold) on it, like this:

You'll need to put pieces of Velcro on each bauble, then cut out numbers 1-9 from card and put the alternate side of the Velcro on each number. This will make it possible for the team to stick each number to a bauble.



Say: **Mangers made from wood are simple things. This puzzle is about a Christmas tree. Place the numbers 1 to 9 once each into the baubles on the tree, so that the total of the red baubles is twice the total of the gold baubles.**

If people need a clue, say:

The numbers 1 to 9 add up to 45, so the red baubles need to add up to 30, while the gold baubles add up to 15

Right is a solution (but there are more - they just need to follow the clue above):

When they've answered correctly, ring 'Simplicity' on their sheet.

You'll need to reset the puzzle when they leave.

