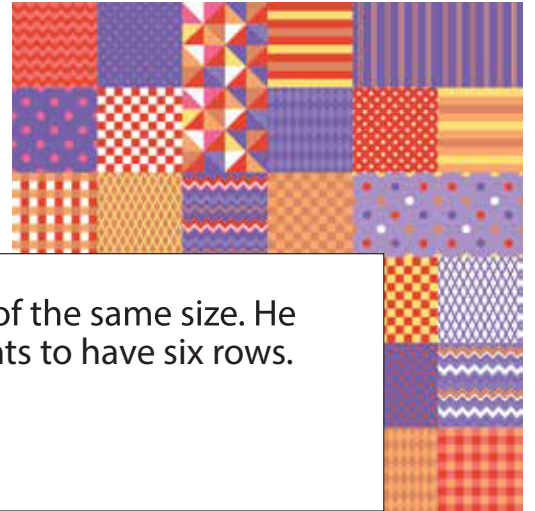**Room 4 students are planning their quilts.**

In each problem write or show with a diagram,
how multiplication helps to solve division problems.

Alex has thirty different coloured patchwork squares of the same size. He
is puzzling over how he should arrange these. He wants to have six rows.

How many will be in each row?

Mani is working on her quilt. She has thirty-three patches that are the same
size, and plans to have five rows.

How many will be in each row? Will she have any left over?

Pita's quilt is one metre square. His patches will be 20cm square, once the
quilt is sewn up. He has twenty-seven patches.

Is this enough for his quilt?

Bonnie has thirty six colourful fabric pieces of the same size that she wants
to use for her quilt.

How could she arrange these?

Selai is using the same number of red pieces and blue pieces for her quilt.
She wants each row to have the same number of patches of each colour.

How will she arrange her forty-eight pieces?

nzmaths.