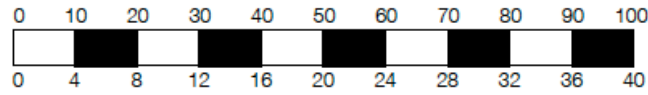


### Generating proportional sets

Generate two sets of multiples simultaneously, alternating between the terms of the two sets, for example multiples of 10 and multiples of 4.<sup>1</sup>

Point to markers on the top and bottom of a counting stick; top marker references multiples of 10, bottom marker references multiples of 4. Say the numbers aloud as a class:

Ten, four, twenty, eight, thirty, twelve, forty, sixteen, . . .



Extend beyond the limit of the counting stick.

Check equality of ratios between the pairs of numbers (use a calculator if appropriate).

Repeat with other pairs of multiples.

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<sup>1</sup> See the video of Walt's Y7 lesson on ratio and proportion. The video was included in the school materials (purple box) for the Key Stage 3 conference on the National Numeracy Strategy in the summer term 2000.