

These are the templates for puzzles 105, 122, 140 and 191 from the FunMaths Roadshow.

They are the correct sizes for baseboards of A4 size. If you have enlarged the baseboards to A3, then you will need to enlarge this page as well.

**105.**

<i><b>1</b></i>	<i><b>2</b></i>	<i><b>3</b></i>	<i><b>4</b></i>
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**122.**

<b>A</b>	<b>B</b>	<b>C</b>	<b>D</b>
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**140.**

$a^2 + b^2 = 1$	$x^2 + y^2 = 1$	$\frac{b}{a} = \frac{y}{1+x}$
$\frac{y}{1+x} = \frac{1-x}{y}$	$\frac{b}{a} = \frac{1-x}{y}$	$x = a^2 - b^2$

**191.**

$(a-c)^2 + (b-d)^2$	$a^2 - 2ac + c^2 + b^2 - 2bd + d^2$
$ac + bd = 0$	$a^2 + b^2 + c^2 + d^2 - 2(ac + bd)$