



1. Given that  $\binom{50}{13} = \frac{50!}{13! a!}$ , write down the value of a

(2)

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2. Given that  $\binom{35}{p} = \frac{35!}{p! 18!}$ , write down the value of p.

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3. Given that  $\binom{45}{17} = \frac{45!}{17! a!}$ , write down the value of a.

(2)

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### Solutions

1.

$\binom{50}{13} = \frac{50!}{13! 37!}$	<b>M1</b>
$a = 37$	<b>M1</b>

2.

$\binom{35}{17} = \frac{35!}{17! 18!}$	<b>M1</b>
$p = 17$	<b>M1</b>

3.

$\binom{45}{17} = \frac{45!}{17! 28!}$	<b>M1</b>
$a = 28$	<b>M1</b>

