

► Use Math Induction (start-at- $n_0 \in \mathbb{Z}$ /extended/generalized form) to show your group's exercise.

**Group 3.** Show that for  $n \in \mathbb{N}$  with  $n \geq 2$

$$\prod_{i=2}^n \frac{i^2 - 1}{i^2} = \frac{n+1}{2n} .$$

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*Proof.* cut this out and put your proof here

