GEAR RATIOS

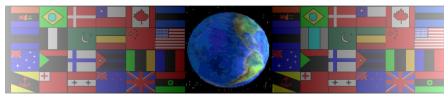
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On behalf of The World Association of Technology Teachers

W.A.T.T.



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The supply staff in the theme park drive small electric carts. These are charged up over night and used during the day time. The carts relay on geared systems to propel them along at speeds exceeding fifteen mph. It has been decided to change the gear system in each of the carts to reduce the speed to ten mph. The old and new replacement gear systems are shown below.

Work out the gear ratio and rpm of gear 'B' for each system.

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