## **GEAR TRAIN QUESTION**

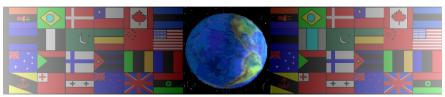
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On behalf of The World Association of Technology Teachers

## W.A.T.T.



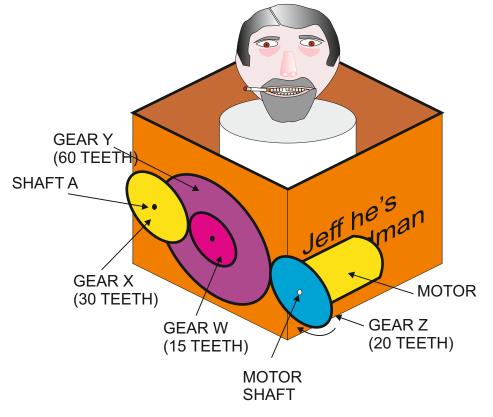
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This exercise can be printed and used by teachers and students. It is recommended that you view the website (www.technologystudent.com) before attempting the design sheet.

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The shop owner has decided that the model should be motorised and he has sketched the drawing opposite.

If the motor turns in a clockwise direction, which direction will gear X turn ?

What is the name of the gear arrangement shown in the diagram above ?

The motor turns at 180 rpm. How fast will gear Y turn ?

How fast will gear X turn ?

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