QUEBEC SCIENCE AND TECHNOLOGY, SECONDARY IV · UNIT E · 5 QUESTIONS

Technological World - Mechanical Engineering — Practice Test

This practice test was made by AI and there may be mistakes. If a question or answer looks wrong, use the Flag a mistake button to let Brett know so he can fix it.

1 **A driver gear with 16 teeth turns at 80 revolutions per minute and drives a gear with 32 teeth. The driven gear speed, in revolutions per minute, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

2 **A screw with pitch 2 millimetres per turn is turned 5 times. Its advance, in millimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **Red apple falling from a tree branch, sharp frozen focus, no motion blur. A screw gear system transforms rotary motion into slow**



A fast spinning

B heating

C linear motion

D light

Understand It with Pulse | Flag a mistake

4 **A driver gear with 25 teeth turns at 100 revolutions per minute and drives a gear with 50 teeth. The driven gear speed, in revolutions per minute, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **A screw with pitch 3 millimetres per turn is turned 4 times. Its advance, in millimetres, is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1. 40
2. 10
3. C
4. 50
5. 12

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