PRINCE EDWARD ISLAND SCIENCE 10 · UNIT C

Designing Mechanical Systems — Practice Test

Prince Edward Island Science 10 • 10 questions

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 **In machine design, what is the main purpose or meaning of prototype?**

- A bar turning around a pivot
- B pivot point of a lever
- C wheel lifting with a rope
- D early model for testing

Understand It with Pulse | Flag a mistake

2 **A machine design project uses 6 groups with 48 cards in each group. The total number of cards is**

ANSWER _____

Understand It with Pulse | Flag a mistake

3 **A machine design display holds 30 items and a second display holds 5 items. The total number of items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

4 **A machine design collection has 42 items. After 7 items are removed, the number of items left is**

ANSWER _____

Understand It with Pulse | Flag a mistake

5 **In machine design, 24 notes are shared equally among 4 students. Each student receives**

ANSWER _____

Understand It with Pulse | Flag a mistake

6 **A machine design project uses 6 groups with 54 cards in each group. The total number of cards is**

ANSWER _____

Understand It with Pulse | Flag a mistake

7 **A machine design display holds 40 items and a second display holds 8 items. The total number of items is**

ANSWER _____

Understand It with Pulse | Flag a mistake

8 **A machine design collection has 28 items. After 4 items are removed, the number of items left is**

ANSWER _____

Understand It with Pulse | Flag a mistake

9 **In machine design, 60 notes are shared equally among 10 students. Each student receives**

ANSWER _____

Understand It with Pulse | Flag a mistake

10 **A machine design project uses 8 groups with 32 cards in each group. The total number of cards is**

ANSWER _____

Understand It with Pulse | Flag a mistake

ANSWER KEY

1.	D	**5.**	6	**9.**	6
2.	288	**6.**	324	**10.**	256
3.	35	**7.**	48		
4.	35	**8.**	24		

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