

# Pulleys

$$\text{Work} = \text{Force} \times \text{distance}$$

1. The distance between the floor and the desktop is \_\_\_\_\_ meters.
2. The force required to lift the book to the desktop was \_\_\_\_\_ newtons.
3. The distance the book moved was \_\_\_\_\_ meters.
4. The amount of work done was \_\_\_\_\_ joules.

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5. The force required to lift the book using the pulley was \_\_\_\_\_ newtons.
6. The distance the book moved was \_\_\_\_\_ meters.
7. The amount of work done was \_\_\_\_\_ joules.

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8. How does a pulley help you do work?

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