

Let:

$$F = 315N$$

$$S = 35m$$

$$A = 14\%E0$$

$$E0 = ?$$

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$$A = E0 * 0.14$$

$$E0 = \frac{A}{0.14} = \frac{F*S}{0.14}$$

$$E0 = \frac{315*35}{0.14} = 78750J$$

**Answer: 78750J**