Leaky Faucet



Jan estimates that the faucet in her kitchen drips at a rate of 1 drop every 2 seconds.

1. Estimate how many times the faucet drips in a **week**. Show your calculations.



Jan estimates that approximately 575 drops fill a 100 milliliter bottle.

2. Estimate how much water her leaky faucet wastes in a year. \sim 2742300 milliters Show how you figured it out.

2

$$\frac{60 \times 60 \times 24 \times 365}{2} = 15768000 \text{ drops per year}$$

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60minutes

24 hours

1 minute

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2. Estimate how much water her leaky faucet wastes in a year. 2742 liters Show how you figured it out.

24 MYS 43200

365 days

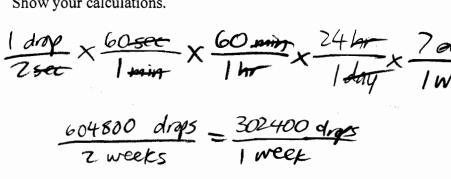
43200



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302400 2 1604800

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$$(2224800)(4) = 23$$

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bosec =
$$lmin$$

bomin = lh
 $3,600 sec=1h$

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Show how you figured it out.

302400 drops a week

lyear - 15724800 drops

525 drops = 100 milliters