



1. How many seconds are in a day?

Given:

💻 24 hr / 1 day 🧾 60 min / 1 hr I 60 sec / 1 min Estimate: # sec / day

2. How many minutes are in a year?

Given:

Estimate: # min / yr





Distance/Time



3. How many minutes does it take sunlight to make a trip from the Sun to the Earth?

Given:

Estimate: # min / trip

93,000,000 miles / trip from Sun to Earth
 Light travels at 186,000 miles / 1 sec
 60 sec / 1 min

4. How many seconds does it take moonlight to make a trip from the Moon to the Earth?

Given:

Estimate: # sec / trip from Moon

240,000 miles / trip from Moon to Earth

Ight travels at 186,000 miles / 1 sec

5. How many seconds would it take light to make a trip around the Earth?

Estimate: # sec / trip around Earth

25,000 miles / trip around Earth Light travels at 186,000 miles / 1 sec

6. How many feet can a cheetah get in 1 minute?

Given:

Given:

Estimate: # ft / 1 min

Cheetahs run 70 miles / hour for brief periods of time.

7. How many feet can a snail get in 1 minute?

Given:

Estimate: # ft / 1 min

I Snails 'run' 3 miles / 100 hours.

What is a Nanometer?

8. How many nanometers are in a meter?

• $l \mod m = l \mod 0 \mod = l \mod 0$ • $l \mod m = l \mod 0$ 9. How many nm are in a km? GIVEN: • 1 km = 1,000 m

10. How many nm thick is a piece of paper?

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GIVEN:

0 10 PAPERS = 1 mm
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11. How many nm wide is the universe?

GIVEN: / UNIVERSE = 30 BILLION LIGHT YEARS / LIGHT YEAR = 10¹³ kem