



Customary units of measuring length

(Addition and conversion without regrouping)





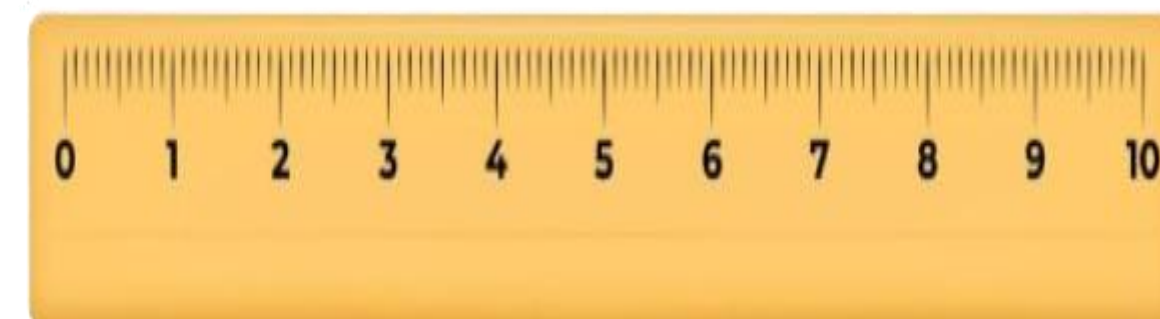
Example: 1

Add 22 inches and 14 inches.

Solution:

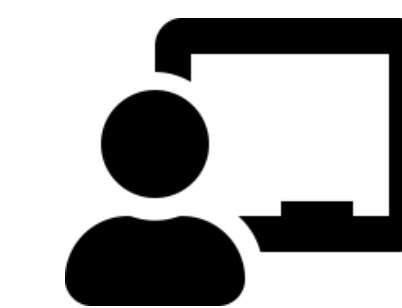
+

Tens	Ones
2	2
1	4
3	6



So, 22 inches + 14 inches equals to **36 inches**.

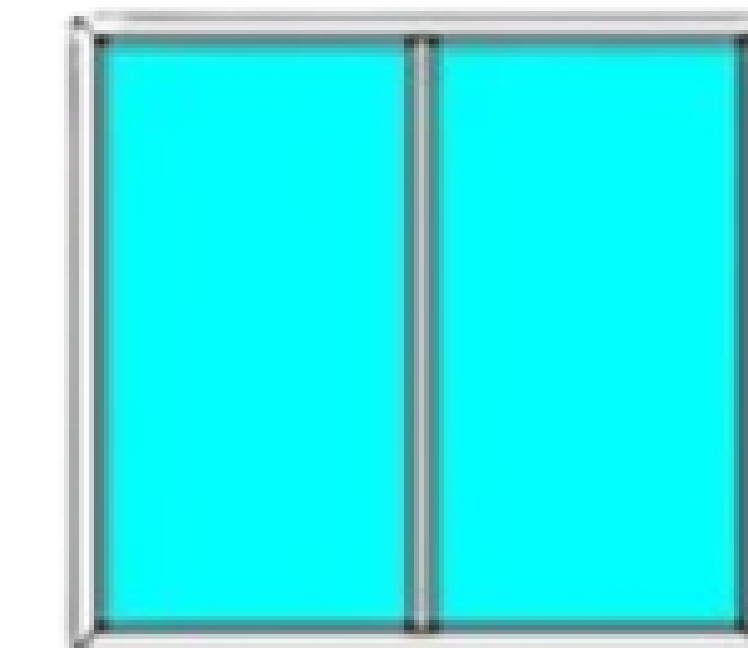
So, answer is **36 inches**.



Convert 36 inches into feet.

Solution:

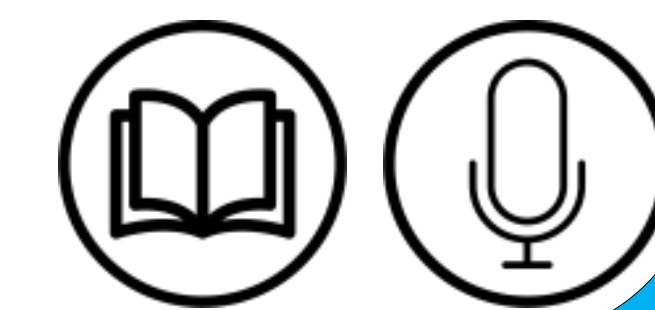
12 inches = 1 foot



$$36 \text{ inches} = \frac{36}{12} \text{ feet}$$

$$= \mathbf{3 \text{ feet}}$$

So, there are **3 feet** in 36 inches.





Example: 2

Add 11 feet and 10 feet.

Solution:

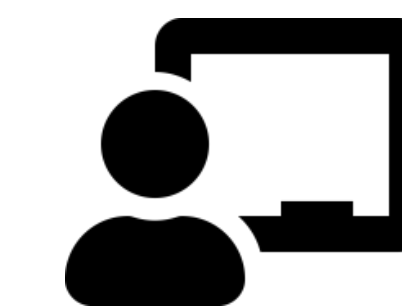
+

Tens	Ones
1	1
1	0
2	1



So, 11 feet + 10 feet equals to **21 feet**.

So, answer is **21 feet**.



Convert 21 feet into inches.

Solution:

1 foot = 12 inches



$$\begin{aligned} 21 \text{ feet} &= 21 \times 12 \text{ inches} \\ &= \mathbf{252 \text{ inches}} \end{aligned}$$

So, there are **252 inches** in 21 feet.





Example: 3

Add 1310 yards and 2210 yards.

Solution:

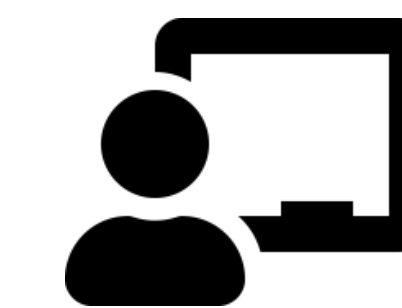


+

Thousands	Hundreds	Tens	Ones
1	3	1	0
2	2	1	0
3	5	2	0

So, 1310 yards + 2210 yards equals to **3520 yards**.

So, answer is **3520 yards**.



Convert 3520 yards into miles.

Solution:



1760 yards = 1 miles

$$3520 \text{ yards} = \frac{3520}{1760} \text{ miles}$$

= **2 miles**

So, there are **2 miles** in 3520 yards.





Example: 4

Add 30 miles and 20 miles.

Solution:

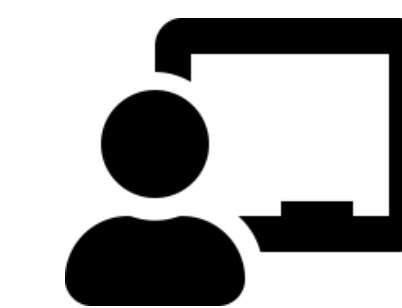
+

Tens	Ones
3	0
2	0
5	0



So, 30 miles + 20 miles equals to **50 miles**.

So, answer is **50 miles**.



Convert 50 miles into yards.

Solution:

$$1 \text{ miles} = 1760 \text{ yards}$$



$$50 \text{ miles} = 50 \times 1760 \text{ yards}$$

$$= 88000 \text{ yards}$$

So, there are **88000 yards** in 50 miles.

