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

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

$$= \textbf{3 feet}$$

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

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

21 feet = 21 x **12** inches

= **252 inches**

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

Example: 3

Add 1310 yards and 2210 yards.

Solution:

+

TH	H	T	O
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

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

$$= 2 \text{ miles}$$

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 miles = 1760 yards

50 miles = 50 x 1760 yards

= **88000 yards**

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