Jeremy Scheuerman

Doctor Spickler

COSC 117

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1. WANT: Unit in feet

HOW: Formula to convert

NEED: Number input and the formula

Output

-1

Input a number in miles to be converted to feet

54

54.0 miles equals 285120.0 feet

-2

Input a number in miles to be converted to feet

34

34.0 miles equals 179520.0 feet

-3

Input a number in miles to be converted to feet

76

76.0 miles equals 401280.0 feet

1. WANT: Unit in miles

HOW: Formula to convert

NEED: Number input and the formula

Output

1. Input a number in feet to be converted to miles

12345

12345.0 feet equals 2.3380681818181817 miles

1. Input a number in feet to be converted to miles

28385

28385.0 feet equals 5.37594696969697 miles

1. Input a number in feet to be converted to miles

92373

92373.0 feet equals 17.494886363636365 miles

1. WANT: Unit in feet and inches

HOW: convert and also cast

NEED: how many inches are in a foot

Output

-1

Input a number in feet to be converted to feet and inches

13.4

13.4 Feet= 13 Feet 0.40000000000000036 Inches

-2

Input a number in feet to be converted to feet and inches

67.65

67.65 Feet= 67 Feet 0.6500000000000057 Inches

-3

Input a number in feet to be converted to feet and inches

45.5

45.5 Feet= 45 Feet 0.5 Inches

1. WANT: Dice Roll

HOW: Random functions

NEED: Dice Values

Output

-1

The 1st die equals 3

The 2nd die equals 1

The total roll is 4

-2

The 1st die equals 6

The 2nd die equals 3

The total roll is 9

-3

The 1st die equals 2

The 2nd die equals 2

The total roll is 4

1. WANT: Unit in feet

HOW: Formula to convert

NEED: Number input and the formula

Output

1. D
2. 2
3. 3
4. WANT: Volume of the Pyramid

HOW: Formula for pyramid Volume

NEED: Number input and the formula

Output

-1

Input the length of the pyramid

7

Input the width of the pyramid

6

Input the height of the pyramid

4

The Volume is = 56.0

-2

Input the length of the pyramid

7

Input the width of the pyramid

9

Input the height of the pyramid

2

The Volume is = 42.0

-3

Input the length of the pyramid

9

Input the width of the pyramid

6

Input the height of the pyramid

4

The Volume is = 72.0

1. WANT: Specific amount of change for each bill

HOW: Formula to convert

NEED: Number input and the formula

Output

1. Input the Change due: 76.87

$76.87 returns

3 20s

1 10s

1 5s

1. 1s

87 cents

1. Input the Change due: 45.32

$45.32 returns

2 20s

0 10s

1 5s

1. 1s

32 cents

1. Input the Change due: 128.97

$128.97 returns

6 20s

0 10s

1 5s

3 1s

97 cents