

CODING

Book #6



And some math...

$$\frac{1}{6} \times \frac{2}{6}$$

The letter V has an unknown value. If you multiply V by ten, the product is two. What value does V have?

$$9 \times 9 \times 9 \times 9 \times 9 = x^5$$

What is the value of x?

Rewrite $\frac{1}{25}$ as a decimal.

$$24 \div 4 + 2$$

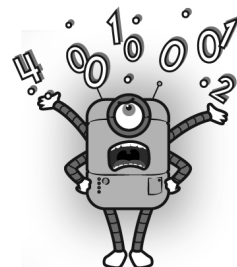
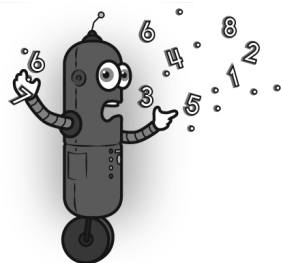
Use $>$, $<$, or $=$ to complete.

$$\frac{1}{7} \quad \text{—} \quad 31\%$$

$$54\% \quad \text{—} \quad \frac{3}{6}$$

$$49\% \quad \text{—} \quad \frac{3}{5}$$

for good measure!



Name: _____



Witch or which food should witch use? Witch doesn't want you to know!

Witch told Cauldron:

```
print ("Witch is coding a stew.")
```

Cauldron replied:

Witch is coding a
stew.

```
print ("She does not want Goblin  
to know how to make it!")
```



```
AnimalA = "worm"  
OrganA = "esophagus"  
OrganB = "brain"  
OrganC = "intestine"
```

```
print ("Add", AnimalA, OrganA)
```

e o _____

```
print ("Add", AnimalA, OrganB)
```

Ad w _____ ra _____

Name: _____

```
print ("Add", AnimalA, OrganC)
```

```
_____
_____
```

```
A = "bat"
B = "mouse"
C = "owl"
D = "pigeon"
E = "skunk"
F = "squirrel"
```

```
organ1 = "intestine"
organ2 = "heart"
organ3 = "brain"
organ4 = "bladder"
organ5 = "kidney"
organ6 = "liver"
```

```
print ("Add", E, organ6)
```

```
_____n_____v_____
```

```
print ("Add", A, organ1)
```

```
_____
```

Simplify.

$$\frac{70}{105} =$$

$$0.007 \times 0.8$$

If $t = 8$ and $c = -42$ then
what is the value of d ?
 $11t + 9c - 2c = d$

Name: _____

MyFace = "smile"

MyTeeth = "dirty"

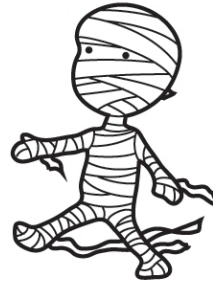
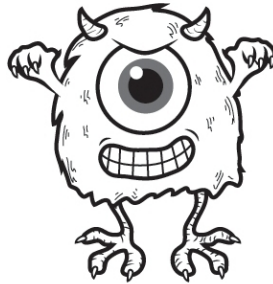
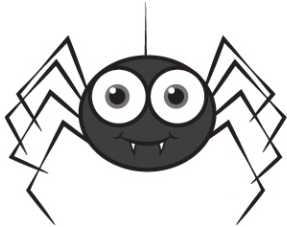
if (MyFace == "smile")

print ("Add", B, organ3)

if (MyFace == "dirty")

print ("Add", D, organ4)

print ("Who is hungry?")



zombie = 6

if (zombie > 5)

print ("Zombie hungry.");

if (zombie <= 5)

print ("Zombie busy.");

_____ u _ g _ _ _ .

monster = 8

mummy = 12

print ("Who is hungrier?")

if (monster > mummy)

print ("Monster hungrier.");

if (mummy > monster)

print ("Mummy hungrier.");

W _ _ _ i _ _

h _ _ _ _ e _ ?

_____ r _ .

Name: _____

If A is divisible by 7,
then A is a
_____ of 7.

If Q is odd
and X is odd,
then
 $Q + X$ is

If Q is even
and X is even,
then
 $Q - X$ is

If $A = B$
and $B = C$,
then
 A ____ C .

$X = 28$
 $X = X + 2$
`print (X)`
What is printed?

If $A > B$
and $B = C$,
then
 A ____ C .

If Q is odd
and X is odd,
then
 $Q - X$ is

$X = 27$
 $X = X + 2$
`print (X)`
What is printed?

If $A > B$
and $B = C$,
then
 A ____ C .

$A = 32$
 $B = 64$
`if (A > B):`
 `print("A rules")`
`else:`
 `print("Go B!")`
What is printed?

$A = 15$
 $B = 14$
 $C = 14$
`if (A >= C)`
 `print(C);`
`else`
 `print(A)`
What is printed?

Use $>$, $<$, or $=$ to
complete.
If X is 7 more than Y,
and Y is greater than Z
then
 X ____ Z

If A is divisible by 6,
then A is a
_____ of 6.

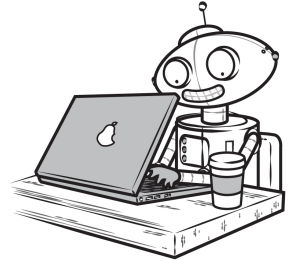
If Q is even
and X is even,
then
 $Q + X$ is

$X = 30$
 $X = X + 3$
`print (X)`
What is printed?

Name: _____

Guessing

Dr. Programmer loves to type on his computer. But his darn monitor is sometimes broken. Fill in what the computer should print.

**Dr. Programmer typed:**

```
print ("Let's play a game
      of guess my number")
```

The computer replied:

```
__e__'______e
__gu__s__b__
```

```
print ("I am ready.")
```

```
A = 3
MY_GUESS = 5
if (A == MY_GUESS)
  print ("correct")
if (A < MY_GUESS)
  print ("too low")
if (A > MY_GUESS)
  print ("too high")
```

```
____ _
```

```
A = 3
MY_GUESS = 2
if (A == MY_GUESS)
  print ("correct")
if (A < MY_GUESS)
  print ("too low")
if (A > MY_GUESS)
  print ("too high")
```

```
____ _
```

word root **ial** can mean **related to** **convivial, memorial, perennial**

Name: _____

```

A = 6
MY_GUESS = 6
if (A == MY_GUESS)
    print ("correct")
if (A < MY_GUESS)
    print ("too low")
if (A > MY_GUESS)
    print ("too high")

```

```

B = 6
MY_MONEY = 8
print ("You need ",B," dollars.");
if (MY_MONEY >= B)
    print ("I have enough.")
if (MY_MONEY < B)
    print ("I need more.")

```

```

B = 6
MY_MONEY = 6
print ("You need ",B," dollars.");
if (MY_MONEY >= B)
    print ("I have enough.")
if (MY_MONEY < B)
    print ("I need more.")

```

If $v = -9$ and $t = 33$ then
what is the value of f ?
 $6v - 9t - 4t = f$

110, _____, 130, 140, 150,
160, 170

$0.3 (0.4 (0.3 \times 8)) =$

word root **circum** can mean **around** **circumnavigate, circumvent**

Name: _____

$$B = 6$$

$$MY_MONEY = 3$$

```
print ("You need ",B," dollars.");
```

```
if (MY_MONEY >= B)
```

```
    print ("I have enough.")
```

```
if (MY_MONEY < B)
```

```
    print ("I need more.")
```

$$B = 9$$

$$MY_MONEY = 19$$

```
print ("You need ",B," dollars.");
```

```
if (MY_MONEY >= B)
```

```
    print ("I have enough.")
```

```
if (MY_MONEY < B)
```

```
    print ("I need more.")
```

Reduce $\frac{102}{114}$ to its lowest terms.

$$45 - \frac{2}{3} =$$

$$17 + \frac{1}{2} + \frac{7}{10} =$$

Each side of a regular pentagon is 22.3 centimeters. What is the perimeter?

L, I, K, H, J, G, _____, F,

H, E

$$0.3 \times 0.6$$

How many feet are in 60 inches?

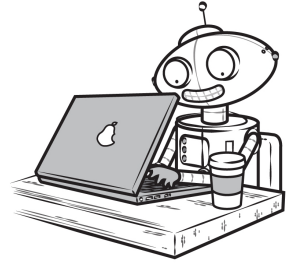
_____ feet

$$40 \div 5 = \underline{\hspace{2cm}}$$

Name: _____

Randomizer Rumbles

Dr. Programmer loves to type on his computer. But his darn monitor is sometimes broken. Fill in what the computer should print.

**Dr. Programmer typed:**

```
# Dr. Programmer needs to pick
# a random number from 1 to 9.
# I wonder what the computer will pick!
A = Random(1,9)
print ("A number from 1 to 9? I pick", A, ".")
```

The computer replied:

A number from
1 to 9? I pick
1 .

```
# Hint: You need to be the computer and
# PICK the random number!
A = Random(1,9)
print ("I pick", A, ".")
```

— — — — —

```
A = Random(1,9)
print (A)
```

5

```
A = Random(1,9)
print (A)
```

—

```
# Hint: Now a number from 100 to 999
A = Random(100,999)
print (A)
```

3 1 9

```
A = Random(100,999)
print (A)
```

— — —

Name: _____

```
A = Random(100,999)
print (A)
```

```
A = Random(100,999)
print (A)
```

```
A = Random(1,9)
print (A)
```

—

```
A = Random(1,9)
print (A)
```

```
A = Random(10,99)
print ("I can't wait until
      I am ",A,"years old.")
```

I can't wait
until I am 95
years old.

```
A = Random(10,99)
print ("I can't wait until
      I am ",A,"years old.")
```

— ————— —————
 ————— — ——— ———
 ————— —————

$24 - 15 + t = 18$
 What is the value of t?

$$\frac{20}{24} \div \frac{1}{8} =$$

$$0.7 (0.8 (0.7 + 7)) =$$

Name: _____

```

A = Random(1,5)
print ("A = ",A)
B = Random(6,9)
print ("B = ",B)
C = A + B
print ("C = ",C)

```

```

— — —
— — —
— — —

```

```

A = Random(1,5)
print ("A = ",A)
B = Random(6,9)
print ("B = ",B)
C = A + B
print ("C = ",C)

```

```

A = Random(1,5)
B = Random(6,9)
C = A + B
print (C)

```

1 2

```

A = Random(1,5)
B = Random(6,9)
C = A + B
print (C)

```

```

A = Random(1,5)
B = Random(6,9)
C = A + B
print (C)

```

Name: _____

`A = Random(1,5)``print ("A = ",A)``B = Random(6,9)``print ("B = ",B)``C = A + B``print ("C = ",C)``C = C + 1``print ("C = ",C)``D = A + B``print ("D = ",D)`

— — —

— — —

— — —

— — —

— — —

`A = Random(55,56)``print ("A = ",A)`

— — —

Circle the least amount:

12%

0.33

 $\frac{1}{5}$

Simplify.

$$\frac{34}{136} =$$

Rewrite $\frac{91}{100}$ as a decimal.

How many possible values of w can there be if w is a number between 37 and 53, w is an odd number, and w is evenly divisible by 4?

Simplify.

$$\frac{12,300}{16,400} =$$

Hannah climbed 11 meters in only 34.4 seconds. How many meters did she climb per second?

Name: _____

The school superintendent mixed up four students' attendance records (Daniel, Michael, Dylan, and Sierra). The superintendent knows the number of days absent (28, 29, 10, and 23) and the number of days late for each student (2, 8, 4, and 14), but does not know how to match the number of days absent and late with each student.

Figure out how many days each student was late and absent.

The school was in session for two hundred fifty-two days.

1. The ratio of Dylan being absent to being in school is 29 to 223.
2. The person that was absent twenty-eight days, was late two days.
3. The ratio of Daniel being late to the number of days the school is in session is 1:26.
4. The ratio of the number of absences by Sierra to the number of absences by Michael is 10 to 23.
5. The ratio of the number of days Michael was late to the number of days Sierra was late is 1:2.

Daniel was late _____ day(s) and absent _____ day(s).

Michael was late _____ day(s) and absent _____ day(s).

Dylan was late _____ day(s) and absent _____ day(s).

Sierra was late _____ day(s) and absent _____ day(s).

$$\frac{3}{6} \times \frac{2}{6}$$

$$t - 7 + t = 41$$

What is the value of t?

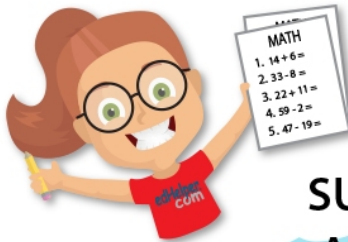
$$|-12| - a = 7$$

$$a =$$

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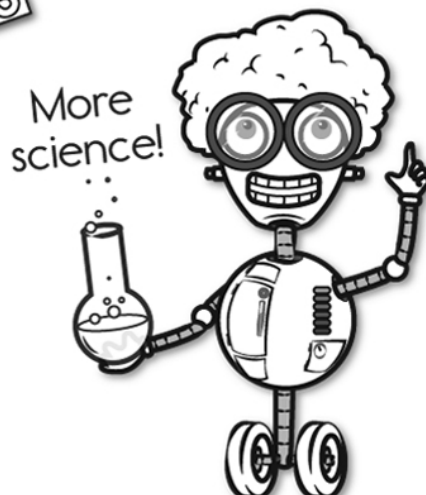
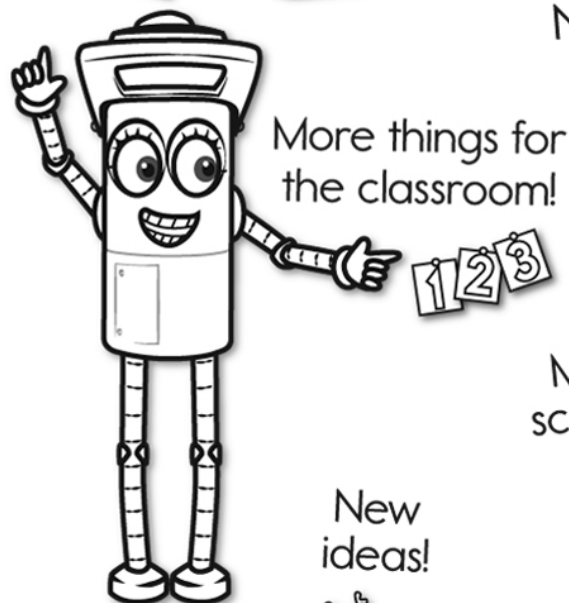
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