

CODING

Book #5



And some math...

How much time is it from
9:00 a.m. to 11:25 a.m.?

$$(12 \times 5) + 11$$

55, 61, 67, _____, 79, 85,

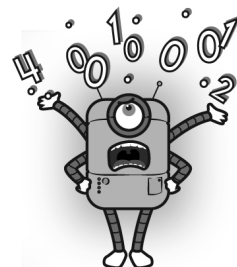
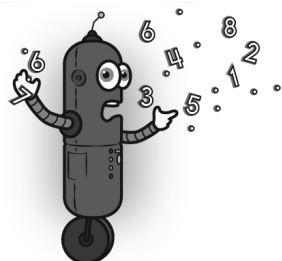
91, 97, 103, 109

What is 50% of 986?

How many minutes is it
from 6:00 a.m. to 10:50
a.m.?

It was 91 degrees outside.
What would the
temperature be if it got 25
degrees colder?

for good measure!





Name: _____

Patterns**Dr. Programmer typed:**

```
# Trying to make a pattern.  
# Does this work?  
A = 5  
B = 4  
C = A + B  
D = C + B  
E = D + B  
print ("This pattern counts by ", B)  
print ("The pattern is ",A," ",B," ",C);
```

The computer replied:

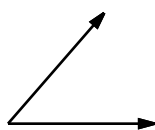
This pattern
counts by 4
The pattern is
5 . 4 . 9

```
A = 8  
B = 2  
C = A + B  
D = C + B  
E = D + B  
print ("This pattern counts by ", B)  
print ("The pattern is ",A," ",B," ",C);
```



```
A = 6  
B = 3  
C = A + B  
D = C + B  
E = D + B  
print ("The pattern is ",A," ",B," ",C);
```

The pattern is 6
. 3 . 9



What kind of angle is this?

Sketch 2 lines \overleftrightarrow{HI} and \overleftrightarrow{ST} that are parallel.



Name: _____

$$A = 5$$

$$B = 3$$

$$C = A + B$$

$$D = C + B$$

$$E = D + B$$

```
print ("The pattern is ",A," ",B," ",C);
```

I _ _ _ _ t _ _ _ _ _

 3 _

$$A = 7$$

$$B = 4$$

$$C = A + B$$

$$D = C + B$$

$$E = D + B$$

```
print ("The pattern is ",A," ",B," ",C);
```

I h _ _ _ _ _ r _ _ _ 7

 _ _ _

$$ADDTO = 4$$

$$STARTNUM = 7$$

$$NUM2 = STARTNUM + ADDTO$$

$$NUM3 = NUM2 + ADDTO$$

$$NUM4 = NUM3 + ADDTO$$

```
print (STARTNUM," ",NUM2," ",NUM3," ",NUM4)
```

 7 11 15 19

$$ADDTO = 2$$

$$STARTNUM = 5$$

$$NUM2 = STARTNUM + ADDTO$$

$$NUM3 = NUM2 + ADDTO$$

$$NUM4 = NUM3 + ADDTO$$

```
print (STARTNUM," ",NUM2," ",NUM3," ",NUM4)
```

 7 11

D, H, L, P, _____, X

108 divided by 12 equals

Round 88,412 to the nearest hundred.



Name: _____

$$\text{ADDTO} = 2$$

$$\text{STARTNUM} = 6$$

$$\text{NUM2} = \text{STARTNUM} + \text{ADDTO}$$

$$\text{NUM3} = \text{NUM2} + \text{ADDTO}$$

$$\text{NUM4} = \text{NUM3} + \text{ADDTO}$$

```
print (STARTNUM, ", ", NUM2, ", ", NUM3, ", ", NUM4)
```

$$5 + 10 \times 10$$

$$\frac{1}{125}, \frac{1}{25}, \frac{1}{5}, (1), (5),$$

 $(25), \text{____}, (625)$

$$35 + n = 47$$

What is the value of n?

13963, 39631, 96313, 63139,
31396, 13963, 39631, 96313,
63139, 31396, _____, 39631,
96313, 63139

A rectangle is 34 cm on
one side and 5 cm on
another side. What is the
perimeter?

0, 0, 5, 5, 0, 0, 5, 5, 0,
0, 5, 5, 0, 0, _____, 5

$$5 \div \frac{1}{6}$$

Round the decimal 0.635 to
the nearest hundredth.

Round 17,609 to the nearest
thousand.

Name: _____

Now that Dr. Programmer knows how to multiply, add, and subtract, it's time for some division.

10 divided by 2 is written $10 / 2$ on his computer.

Dr. Programmer typed:

print (48 / 8)

print (8 * 9)

print (24 / 8)

print (43 + 30)

The computer replied:

6

Rewrite $11 + -7$

___ - ___ = ___

$10 + -2 =$ ___

$10 - 2 =$ ___

$8 - 9 =$

7, 9, ____, 13, 15, 17, 19

40, 50, 60, 70, 80, ____,

100, 110, 120

Yummy Donuts gave three dozen chocolate donuts and five dozen jelly donuts to the school. How many donuts did they give?

How many minutes is it from 8:00 a.m. to 10:50 a.m.?

$5 \frac{4}{6} + 4 \frac{4}{6}$

$60 \div 10 \times 8$



Name: _____

Greater and Less Than**Dr. Programmer typed:**

```
FirstNumber = 23
SecondNumber = 28
if (FirstNumber>=SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

The computer replied:L e s s t h a n

```
FirstNumber = 26
SecondNumber = 25
if (FirstNumber>=SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

```
FirstNumber = 41
SecondNumber = 38
if (FirstNumber<=SecondNumber)
  print ("Less than or equal")
else:
  print ("Greater than");
```

```
FirstNumber = 24
SecondNumber = 29
if (FirstNumber>=SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

Circle the correctly spelled word in this sentence.

This semester we are studying
(volocanos/volcanoos) in science.

19 lb = _____ oz



Name: _____

```
MYGRADE = 96
if (MYGRADE >= 90)
    print ("Nice score!")
if (MYGRADE < 90)
    print ("Keep trying")
```

N i c e s c o r e !

```
MYGRADE = 86
if (MYGRADE >= 90)
    print ("Nice score!")
if (MYGRADE < 90)
    print ("Keep trying")
```

```
MYGRADE = 80
if (MYGRADE >= 90)
    print ("You got an A")
if (MYGRADE < 90) and (MYGRADE >= 80)
    print ("Not Bad, at least in 80s")
if (MYGRADE < 80)
    print ("Um. Maybe study next time?")
```

N o t B a d . a t
l e a s t i n 8 0 s

```
MYGRADE = 72
if (MYGRADE >= 90)
    print ("You got an A")
if (MYGRADE < 90) and (MYGRADE >= 80)
    print ("Not Bad, at least in 80s")
if (MYGRADE < 80)
    print ("Um. Maybe study next time?")
```

Write the reciprocal.

$$\frac{8}{1}$$

Write the reciprocal.

$$\frac{2}{3}$$

Write the reciprocal.

16

Name: _____

Brianna, Aaron, Andrew, Abigail, and Joshua counted the number of pennies that they saved. Each person had a different number of pennies. One has two hundred twenty-eight pennies, one has nine hundred eighty-seven pennies, one has seven hundred sixteen pennies, one has four hundred forty-nine pennies, and one has six hundred seventy-five pennies

How many pennies does each person have?

1. For the number of pennies that Aaron has, the ones place is five more than the tens.
2. Among the number of pennies that everyone has, Joshua's total has the largest number in the hundreds place.
3. Among the number of pennies that everyone has, Andrew's total has the smallest number in the tens place.
4. The sum of the tens and hundreds place in the number of pennies that Brianna has is thirteen.

Brianna has _____ pennies.

Aaron has _____ pennies.

Andrew has _____ pennies.

Abigail has _____ pennies.

Joshua has _____ pennies.

Round 11,505 to the nearest thousand.

A rectangle is 59 cm on one side and 9 cm on another side. What is the perimeter?

Estimate quickly the difference.
 $6,870 - 2,860$

word root **fami** can mean **hunger**

famished, famine

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