

CODING

Book #4



And some math...

It was 7 degrees above zero in the morning. By afternoon the temperature rose 24 degrees. How warm was it?

How much time is it from 9:00 a.m. to 10:25 a.m.?

$$8 \times 10 \times 3 - 4$$

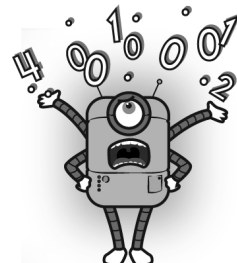
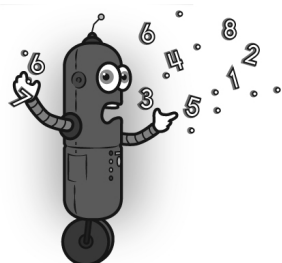
It was 7 degrees below zero in the morning. By afternoon the temperature rose 22 degrees. How warm was it?

$$8\frac{5}{7} + 7\frac{5}{7}$$

$$25 + n = 42$$

What is the value of n ?

for good measure!



Name: _____

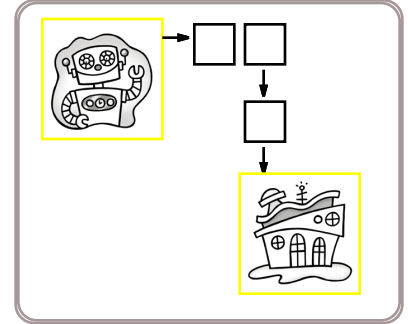
go_down (how many squares) The robot will go down this many squares.

go_right (how many squares) The robot will go right this many squares.

Secret map:

```
print_robot()
go_right ( 2 )
go_down ( 1 )
print_robot_home()
```

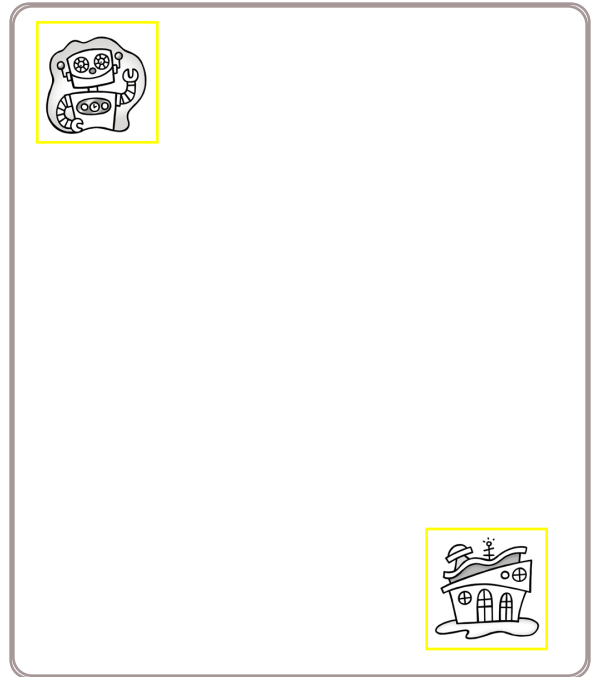
Draw the map:



Secret map:

```
print_robot()
go_down ( 1 )
go_right ( 3 )
go_down ( 2 )
go_right ( 3 )
go_down ( 2 )
print_robot_home()
```

Draw the map:



$$797 - 64 =$$

$$\begin{array}{r} 6,515 \\ - 5,980 \\ \hline \end{array}$$

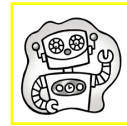
What number is 520 less than 679?

word root **intro** can mean **into** **introvert, introduce**

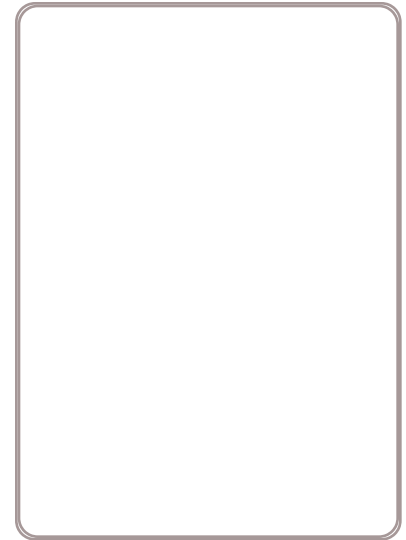
Name: _____

Secret map:

```
print_robot()
go_down ( 1 )
go_right ( 3 )
go_down ( 1 )
go_down ( 1 )
print_robot_home()
```

Draw the map:**Secret map:**

```
print_robot()
go_down ( 1 )
go_right ( 3 )
go_down ( 2 )
print_robot_home()
```

Draw the map:

Reduce $\frac{65}{90}$ to its lowest terms.

49 is what percent of 140?

$$\begin{array}{r} 3\frac{2}{6} \\ + 7\frac{4}{6} \\ \hline \end{array}$$

Name: _____

$X = 28$
 $X = X + 3$
 print (X)
 What is printed?

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

If A is divisible by 2,
 then A is a
 _____ of 2.

Use >, <, or = to
 complete.
 If X is 6 more than Y,
 and Y is less than Z then
 X _____ Z

Hint * is multiplication.
 # and / is division.
 $A = 13$
 $B = 7$
 $C = A * B$
 $C / A =$ ____

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

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

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

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

$X = 22$
 $X = X + 2$
 print (X)
 What is printed?

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

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

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 is divisible by 2,
 then A is a
 _____ of 2.

Name: _____

Dr. Programmer typed:

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

The computer replied:

I am Gavin.

AGIRL="Maria"

ABOY="Peter"

```
print ("John sits with ",AGIRL," and ",  
      ABOY,".")
```

John sits with
Maria and Peter
.

AGIRL="Maria"

ABOY="Peter"

```
print ("I sit with ",AGIRL," and ",  
      ABOY," at the first table.")
```


_____

```
print ("Hannah sits with  
      Nathan and Megan.")
```

H_____
_____ s_____
_____ i_____
_____ g_____.

Write the decimal number
for:
two hundred sixty and two
ten-thousandths

Find 38% of 307.

$$\begin{array}{r} 7,339 \\ - 678 \\ \hline \end{array}$$

Name: _____

Dr. Programmer typed:

```
Team1=3
Team2=5
print ("Who won the soccer game?")
if Team1 > Team2
    print ("Team1 did")
if Team2 > Team1
    print ("Team2 did")
```

The computer replied:

Who won the
soccer game?
Team2 did

```
Won_By = Team2 - Team1
if Won_By == 1
    print ("They won by 1 goal.")
if Won_By > 1
    print ("They won by ",Won_By," goals.")
```

_____y w_____ 2
_____s.

```
left_at = "kitchen";
print ("Where is my phone?")
if (left_at == "kitchen")
    print ("Maybe by the refrigerator?")
if (left_at == "car")
    print ("It is still in the car!")
```


Today_Is = "Tuesday"

```
if (Today_Is == "Monday")
    print ("soccer skills practice")
if (Today_Is == "Tuesday")
    print ("volleyball practice")
if (Today_Is == "Wednesday")
    print ("playdate?")
```

word root **or** can mean **condition** or **one who** **interceptor, receptor**

Name: _____

Dr. Programmer knows how to program with his computer. He uses the STAR key, which is *. On a computer you have to press Shift and 8 at the same time to type that. How confusing!

5 times 2 is written $5 * 2$ on his computer.

Dr. Programmer typed:

print (5 * 2)

print (9 * 6)

print (6 + 10)

print (10 * 10)

print (39 + 46)

print (91 - 55)

print (8 * 4)

The computer replied:

10

— —

— —

— —

— —

Change $\frac{108}{63}$ to a mixed number.

Change 15% to a decimal and a fraction expressed in its lowest terms.

$$\begin{array}{r} 9.85 \\ + 54.723 \\ \hline \end{array}$$

word root **post** can mean **after** **postscript**

Name: _____

The EdHelper Clothes store at the mall has four employees (Samantha, James, Steven, and Justin). This week they worked 40, 37, 41, and 43 hours. The employees at EdHelper Clothes are paid by the hour. Each employee is paid at a different hourly rate (\$13.95, \$12.80, \$7.95, and \$6.35).

Figure out how many hours each employee worked this week. Also, determine each employee's hourly pay.

1. The employee that worked forty-three hours this week, worked fifty-one hours last week. Last week, the employee earned \$63.60 more than the amount the employee earned this week.
2. James earns the most amount of money per hour.
3. Justin earned \$524.80 this week.
4. This week, Samantha worked the least number of hours.
5. Samantha had the smallest paycheck for the week.

Samantha worked _____ hours and was paid _____ hourly.

James worked _____ hours and was paid _____ hourly.

Steven worked _____ hours and was paid _____ hourly.

Justin worked _____ hours and was paid _____ hourly.

Round 10,406 to the nearest thousand.

$$9 \div \frac{1}{5}$$

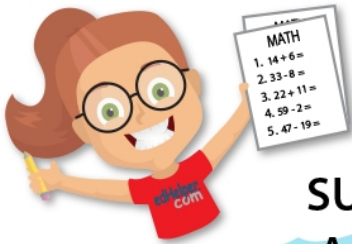
A toy car can go 5 mph. How long would it take to go 7.5 miles?

$$12 \times 10 = \underline{\hspace{2cm}}$$

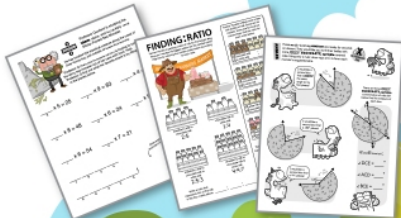
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1 2 3

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\times $=$ $-$ \div $<$ $-$ $>$

More puzzles!



