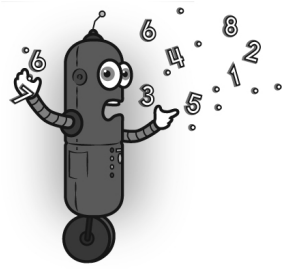
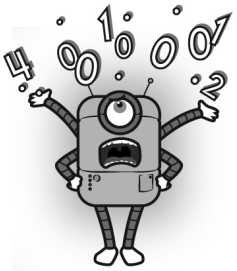
# CODING
## Book #2

## And some math...

| | | |
|---|---|---|
| You have a playdate in 180 minutes. How many hours is that? | What is the sum of 10 and 507? | Write the number that has exactly 9 thousands. |
| Write the greatest possible 2-digit number without repeating any numbers. | How many tens are in the number 81,000? | How many total legs are on 70 dogs. |

## for good measure!





**Name:** _____

Ready for the biggest challenge of your life? You need to make your own app!

Will this be an educational app or a game app?

_____

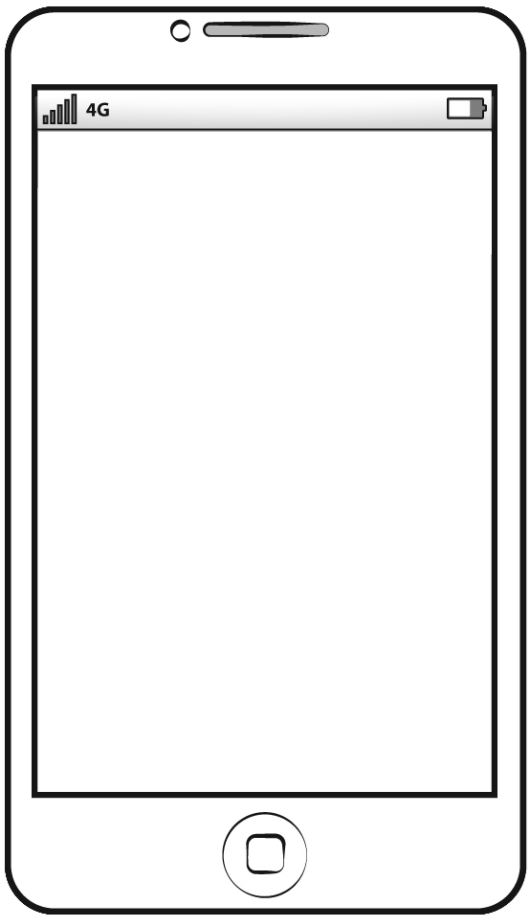
Hmm. That sounds cool. But what's special about this new app of yours?

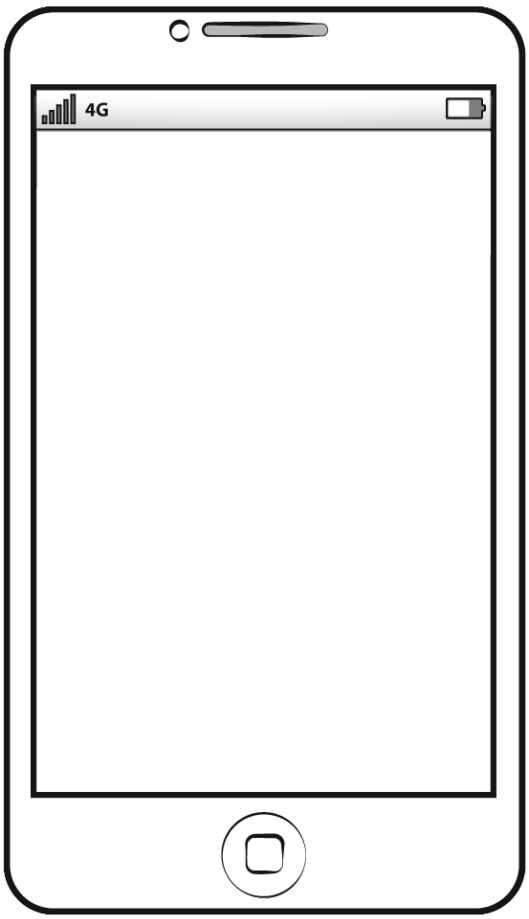
_____

_____

_____

Draw two sample pictures of your app in action.



**Name:** _____



X = 21
X = X + 3
print ( X )
What is printed?

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

If A > B

and B = C,

then

A ___ C.

If A is divisible by 4,

then A is a

_____ of 4.

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

X = 26
X = X + 3
print ( X )
What is printed?

Use >, <, or = to

complete.

If D is greater than E,

then

E ____ D

```
A = 16
B = 16
C = 16
if (A <= C)
   print(C);
else
   print(A)
```

What is printed?

```
A = 19
B = 13
C = 19
if (A >= B)
   print(C);
else
   print(A)
```

What is printed?

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

If A = B

and B = C,

then

A ___ C.

If A > B

and B = C,

then

A ___ C.

If A is divisible by 8,

then A is a

_____ of 8.

If A > B

and B = C,

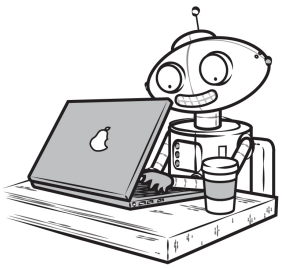
then

If A = B

and B = C,

then

**Name:** _____



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: | The computer replied: |
|---|---|
| A = 2812<br>B = 100<br>C = A + B<br>print ("The number that is ",<br>B," more than ",A," is ",C) | The number that is 100 more than 2812 is 2912 |
| A = 1420<br>B = 10<br>C = A + B<br>print ("The number that is ",<br>B," more than ",A," is ",C) | The number that is 10 more than 1420 is 1430 |
| A = 1285<br>B = 100<br>C = A + B<br>print ("The number that is ",<br>B," more than ",A," is ",C) | ___ _____ _____ __<br>___ _____ _____ _____<br>__ _____ |
| A = 3606<br>B = 10<br>C = A + B<br>print ("The number that is ",<br>B," more than ",A," is ",C) | ___ _____ _____ __<br>__ _____ _____ _____<br>__ _____ |

**Name:** _____



```
A = 36641
B = 1000
C = A + B
print  ("The number that is ",
        B," more than ",A," is ",C)
```

———  ———————  ——————  ——

———————  ———————  ———————

———————  ——  ———————

```
A = 78766
B = 10000
C = A + B
print  ("The number that is ",
        B," more than ",A," is ",C)
```

———  ———————  ——————  ——

———————  ———————  ———————

———————  ——  ———————

```
A = 3462
B = 100
C = A + B
print (B," more than ",A," is ",C)
```

————  ——————  ——————  ——————

——  ——————

```
A = 2575
B = 10
C = A + B
print (B," more than ",A," is ",C)
```

——  ——————  ——————  ——————

——  ——————

```
A = 50877
B = 1000
C = A + B
print (B," more than ",A," is ",C)
```

————  ————  ————

———————  ——  ———————

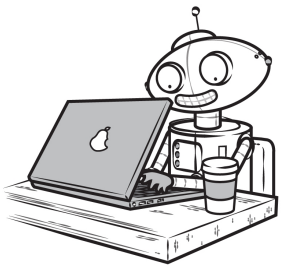
Write the least possible 5-digit number using only 4 different numbers.

How many hundreds are in the number 310,000?

18 ÷ ___ = 6

**Name:** _____

## Morning News



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: | The computer replied: |
|---|---|
| print ("Hello everyone.") | Hello everyone. |
| print ("Today we have BIG news.") | _____ __ _a__ _I_ _____. |

**It is Spii Guy.**
**He is trying to break Dr. Programmer's code!**

| | |
|---|---|
| print ("Spii Guy does not like news!") | _____ ____ _____ ____ _____ _____ |
| print ("Spii Guy!<br>I thought you were in jail.")<br>☑ Fixed Missing Word | _____ _____ _<br>_____ ____<br>_____ __ _____ |

| | | |
|---|---|---|
| triple 43 = | You have a playdate in 60 minutes. How many hours is that? | The number 65 is more than the number 6 by how much? |

**Name:** _____



_____ ("Put back my print command!")

☐ Fixed Missing Word

____ b a _ k ___

_____

____ m a ___ !

_____ ("I am trying to have morning meeting!")

☐ Fixed Missing Word

__ a __ _____

__ o _____

____ n ____

_____ g !

Erin has $46. She wants to buy something that costs $93. How much more does she need?

12 - 11 + 11

___ ÷ 3 = 6

A, D, G, J, M,

_____, S, V, Y

A book has 5 pages. Each page has 12 dimes. How many dimes in the book?

21 is a multiple of 3 and 7.

40 is a multiple of ___ and ___.

30 is a multiple of ___ and ___.

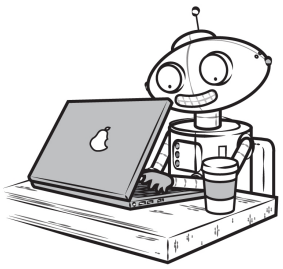
Put these adjectives in the correct order.

expensive old gold

_____

**Name:** _____

## Dr. Programmer is Counting Pens



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

**(Don't tell anyone, but these are some of Dr. Programmer's secret commands!)**

**print** This is the computer's pencil. It will be used to write something.

**Dr. Programmer typed:**

```
red_pens = 7
green_pens = 3
pens = red_pens+green_pens

print("There is a total of ",pens," pens.")
```

**The computer replied:**

_____ ___ __ _____

___ ___ _____

**Dr. Programmer typed:**

```
red_pens = 7
green_pens = 4
pens = red_pens+green_pens

print("There is a total of ",pens," pens.")
```

**The computer replied:**

_____ ___ __ _____

___ ___ _____

**Dr. Programmer typed:**

```
blue_pens = 8
pink_pens = 4
orange_pens = 4

print("We have ",pink_pens," pink pens.")
```

**The computer replied:**

___ _____ __ _____

_____

Write 7,681 in words.

_____

1 km = 1,000 m

16 km = _____ m

**Name:** _____



```
blue_pens = 9
pink_pens = 4
orange_pens = 3
```

```
print("We have ",blue_pens," blue pens.")
```

—— ——— — ———

———

Is 30 a composite or a prime number?

In the parking lot there are 12 vehicles. There are 4 SUVs. What fraction of the vehicles are not SUVs?

Double the number 12 three times.

Amy gave out a survey. The answers she got back were 26, 27, 22, and 28. What is the range of these numbers?

What is 16 less than 899?

3 + 6 - 2

Is 25 a composite or a prime number?

How much greater is 179 than 34?

60 ÷ 5 = 12

Draw a small clock that shows 10 minutes to 10:00.

Name the shape with three sides and three angles.

How many tens are in the number 50?

**Name:** _____ edHelper

Figure out how many gold medals Finland, Canada, and the Netherlands received.

1. If Canada had won two more than two times the number of gold medals, they would have won four more gold medals than the Netherlands.
2. the Netherlands won three times as many gold medals as Finland.
3. The three countries won a total of twelve gold medals.
4. the Netherlands has two more gold medals than Canada.

C, M, E, P, G, S, I,

_____, K, Y

Round 337 to the nearest hundred.

617 + 6 =

8, 10, 12, 14, 16,

_____, 20, 22

12 ÷ 4 =

Write the number that is one thousand less than 7,758.

What number is halfway between 0 and 24?

Find the product of 7 and 5.

Rose has 26 nickels. How much money is that?

word root **bell** can mean **war** **rebel, antebellum**

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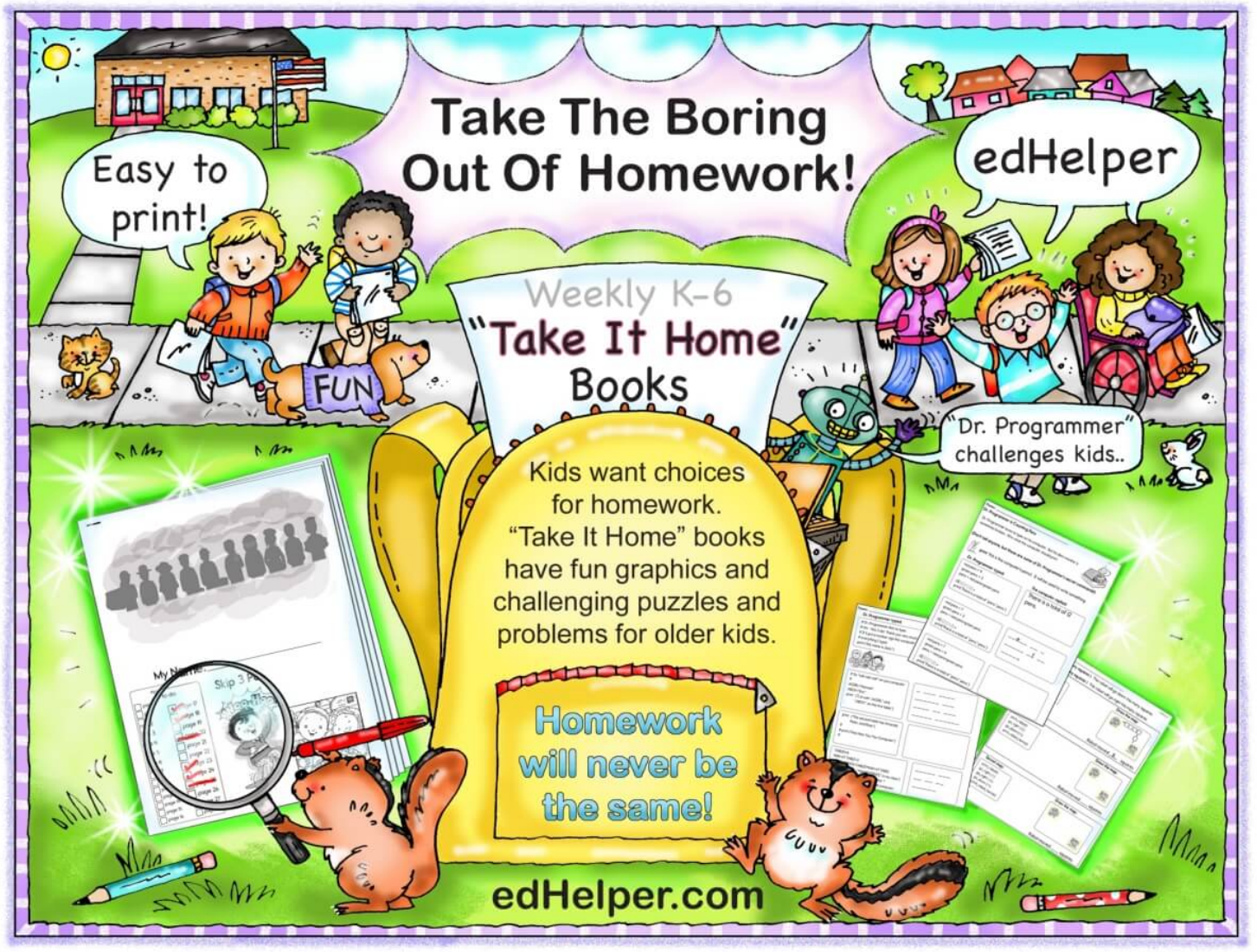
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