CODING
Book #1

And some math...

66, _____, 96, 111, 126,

141, 156

How much time is it from 8:00 a.m. to 11:25 a.m.?

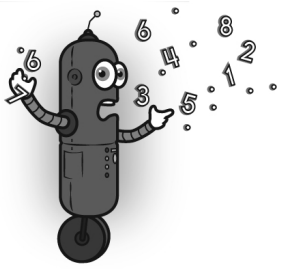
$10 \div \frac{1}{5}$

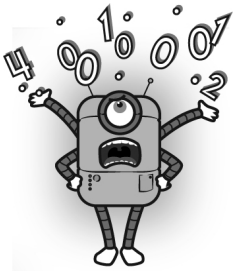
How much money is 1 quarter, 1 dime, 3 nickels, and 1 penny?

56 divided by 7 equals

11 x 36 ÷ 9

for good measure!





Name: _____

edHelper

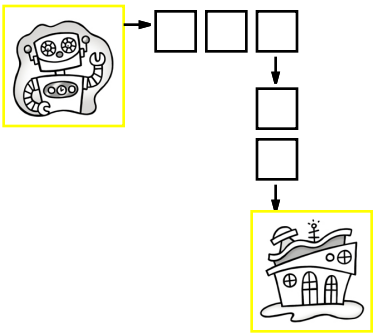
go_down (how many squares) The robot will go down this many squares.

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

Secret map:

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

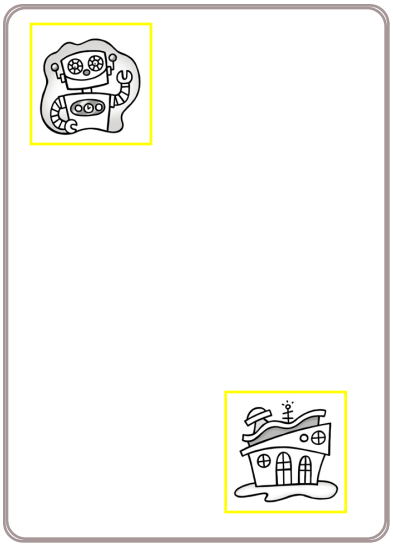
Draw the map:



Secret map:

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

Draw the map:



$75 - p = $25
What is the value of p?

y = x + 17
y = 24
What is the value of x?

13m - 17.7 = 34.3

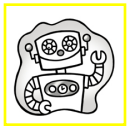
m =

Name: _____

Secret map:

print_robot()
go_down (1)
go_right (1)
go_down (1)
go_down (1)
print_robot_home()

Draw the map:



Secret map:

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

Draw the map:

If 3x = 48, then x =

0.5 (0.7 (0.5 + 8)) =

Circle the percentage that is closest to 28 out of 58:

54%
5%
95%

Name: _____

You are in charge of Zappa Gazoom. What the heck is that you ask? Why it's the best company in the world that makes apps. Only problem is they need a new one. Is it a game? Is it something that lets you talk to others? You decide!

Explain what your app will do:

_____

_____

_____

Give it a strange title:

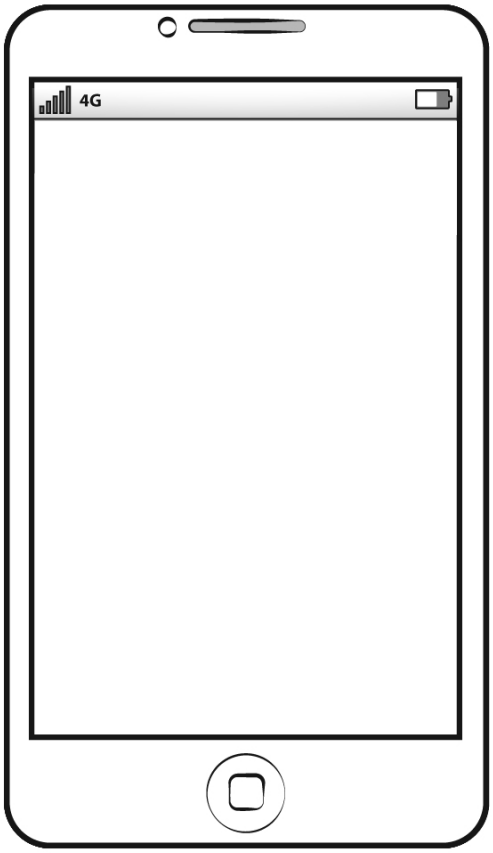
_____

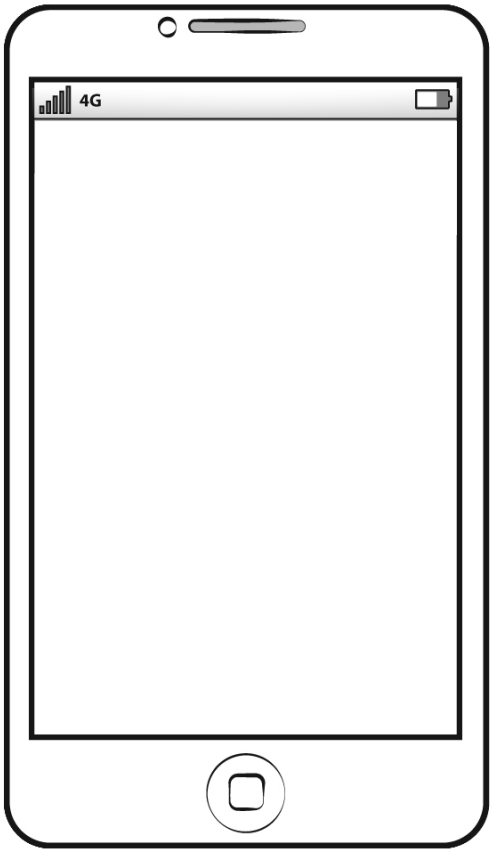
Who would want to use your app?

_____

_____

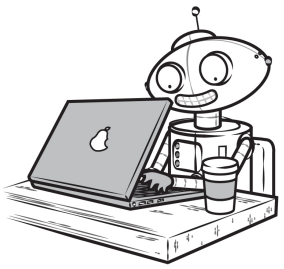
Draw two sample pictures of your app in action.





Name: _____

Girl or Boy?



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:
KID="Hannah" P="girl" print(KID," is a ",P)	Hannah is a girl
print ("She likes soccer!")	_he __k_s ____e_!
KID="Austin" P="boy" print(KID," is a ",P)	
print ("He plays hockey.")	

Write the missing family fact.

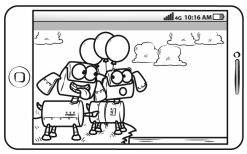
56 ÷ 4 = 14

14 x 4 = 56

56 ÷ 14 = 4

Write $\frac{2}{4}$ in lowest terms.

How many meters are there in 48 kilometers?



edHelper

Name: _____

Robot dog is learning how to spell. Write each word and the balloon will pop.

Dr. Programmer typed:

```
Code1 = "TER"
Code2 = "IN"
Code3 = "CO"
Code4 = "W"
Code5 = "AT"
print ("Word is ",Code4, Code2, Code1)
```

The computer replied:

Word is WINTER

```
C1 = "SA"
C2 = "IN"
C3 = "D"
C4 = "O"
C5 = "UR"
print ("Word is ",C3,C2,C4,C1,C5)
```

_____ __ _____

```
C1 = "AD"
C2 = "LI"
C3 = "RE"
C4 = "WE"
C5 = "AY"
print ("Word is ",C3,C1)
```

40 + n = 57

12, 14, 16, _____, 20, 22, 24, 26, 28

The perimeter of a rectangle is 20 cm. The longer side is 6 cm. How long is the shorter side?

Name: _____

edHelper

There are four boxes (a gray box, a black box, a purple box, and a white box). Each box has a different length (44 cm 5 mm, 33 cm 2 mm, 36 cm 7 mm, and 45 cm 8 mm), a different width (11 cm 2 mm, 8 cm 8 mm, 13 cm 6 mm, and 12 cm 4 mm), and a different height (62 cm 3 mm, 65 cm 3 mm, 68 cm 8 mm, and 80 cm 9 mm).

Figure out the length, width, height, and volume for each box.

1. The gray box has the smallest width.
2. The length of the black box is 0.458 meters.
3. The black box has the largest height.
4. The volume of the purple box is 25,647,664 cubic millimeters.
5. One box has a width of 8 cm 8 mm and a height of 65 cm 3 mm.
6. One box has a length of 44 cm 5 mm and a height of 68 cm 8 mm.
7. The volume of the white box is 34,289,920 cubic millimeters.
8. The length of the purple box is 0.332 meters.

gray box: length =_____, width= _____, height = _____, and volume = _____

black box: length =_____, width= _____, height = _____, and volume = _____

purple box: length =_____, width= _____, height = _____, and volume = _____

white box: length =_____, width= _____, height = _____, and volume = _____

2 + 1 x 6 - 8

Round the decimal 0.655 to the nearest hundredth.

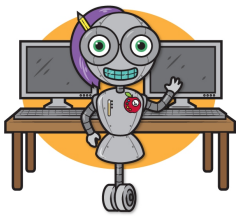
Round 98,427 to the nearest hundred.

6 cm = _____ mm

In the number 519,098,506, the digit 8 is in what place?

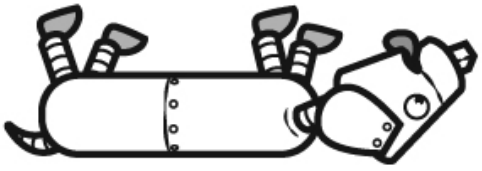
_____

Name: _____



Miss Meena is your new math teacher. And she is a robot! She doesn't talk. Do you know how she teaches her class?

Miss Meena typed:	The computer replied:
x = 5 print ("What is x?") print (x)	What is x? 5
x = 40 print ("What is x?") print (x)	———— —— —— ——
x = 5 y = 6 print ("What is x + y?") Answer = x + y print (Answer)	What is x + y? 11



Can you read that? That is how Miss Meena teaches. Shes codes computer programs. Did you guess correctly what the computer replied with? Don't ask robot dog!

word root **infra** can mean **below** **infrared, infrastructure**

Name: _____

Can you figure these out?

```
x = 809
y = 89
print ("What is y?")

print (y)
```

```
x = 21
y = 19
print ("What is x + y?")

Answer = x + y
print (Answer)
```

————— —— — — ——

——

```
x = 46
y = 79
print ("What is y - x?")

Answer = y - x
print (Answer)
```

————— —— — — ——

——

What is the area of a rectangle with sides 2 cm and 7 cm?

Know how many inches in a foot? Okay, smarty pants, how many inches in 8 feet?

It was 92 degrees outside. What would the temperature be if it got 26 degrees colder?

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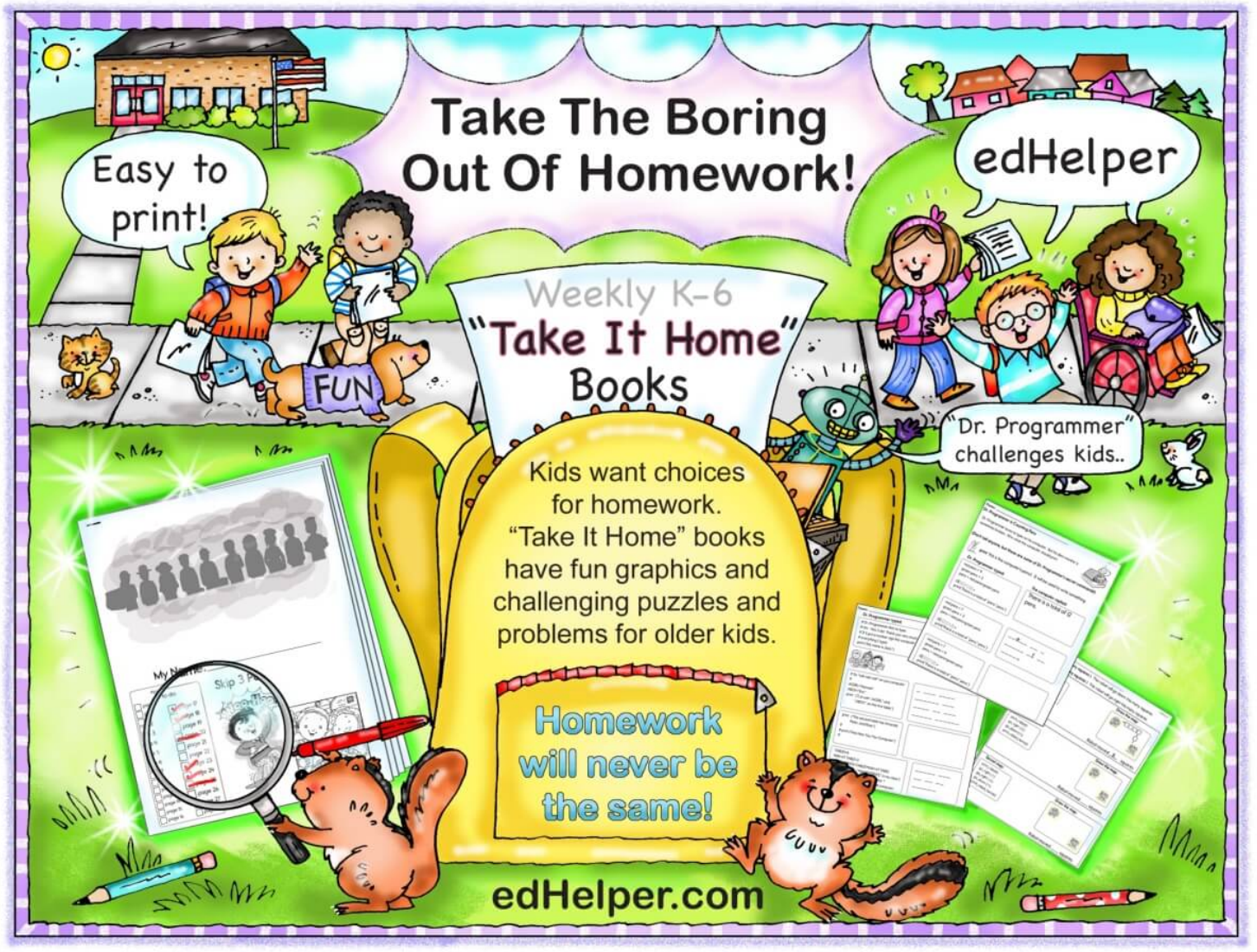
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