

# CODING

## Book #5



### And some math...

Rewrite  $\frac{13}{25}$  as a decimal.

$$5.9376 \times 10^3 =$$

What is the remainder of 62 divided by 7?

If  $d = 6$  and  $x = -41$  then what is the value of  $p$ ?  
 $10d + 12x - 2x = p$

Circle the greatest amount:

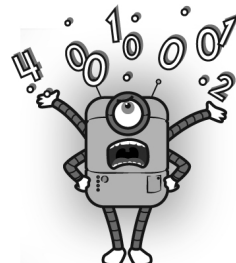
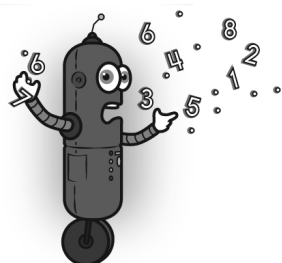
20%

0.26

$$\frac{4}{25}$$

$$638 \div 10$$

### for good measure!





Name: \_\_\_\_\_

**Patterns****Dr. Programmer typed:**

```
# Trying to make a pattern.  
# Does this work?  
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);
```

**The computer replied:**

This pattern  
counts by 2  
The pattern is  
8 . 2 . 10

```
A = 8  
B = 3  
C = A + B  
D = C + B  
E = D + B  
print ("This pattern counts by ", B)  
print ("The pattern is ",A," ",B," ",C);
```

-----  
-----  
-----  
-----

```
A = 8  
B = 3  
C = A + B  
D = C + B  
E = D + B  
print ("The pattern is ",A," ",B," ",C);
```

The pattern is 8  
. 3 . 11

$$\begin{array}{r} 36.95 \\ + 8.668 \\ \hline \end{array}$$

$$0.36 + 9.3 + 0.9 =$$

$$\begin{array}{r} 7.2 \\ - 3.72 \\ \hline \end{array}$$



Name: \_\_\_\_\_

$$A = 8$$

$$B = 4$$

$$C = A + B$$

$$D = C + B$$

$$E = D + B$$

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

\_\_\_\_\_ p \_\_\_\_\_

.\_ \_ . \_ 2

$$A = 5$$

$$B = 2$$

$$C = A + B$$

$$D = C + B$$

$$E = D + B$$

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

\_\_\_\_\_ p a \_\_\_\_\_

.\_ \_ . \_ 7

$$ADDTO = 4$$

$$STARTNUM = 7$$

$$NUM2 = STARTNUM + ADDTO$$

$$NUM3 = NUM2 + ADDTO$$

$$NUM4 = NUM3 + ADDTO$$

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

7 . 11 . 15 .

19

$$ADDTO = 2$$

$$STARTNUM = 8$$

$$NUM2 = STARTNUM + ADDTO$$

$$NUM3 = NUM2 + ADDTO$$

$$NUM4 = NUM3 + ADDTO$$

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

8 . 0 . 12 .

14

$$0.3 (0.7 (0.3 + 3)) =$$

$$8 \times 8 \times 8 = x^3$$

What is the value of x?

Simplify.

$$\frac{16}{32} =$$



Name: \_\_\_\_\_

```
ADDTO = 4
STARTNUM = 5
NUM2 = STARTNUM + ADDTO
NUM3 = NUM2 + ADDTO
NUM4 = NUM3 + ADDTO
print (STARTNUM, ", ", NUM2, ", ", NUM3, ", ", NUM4)
```

\_\_\_\_\_

\_\_\_\_\_

An angle measures  $142^\circ$ .  
What would you call this angle?

What kind of angle has a measure of  $180^\circ$ ?

Sketch a right angle named  $\angle BCD$ .

$$17a - 16.3 = 85.7$$

$$a =$$

If  $a = 4$  and  $b = 8$ ,  
then  
 $3a + b =$

In what quadrant would you find the point  $(-8, -19)$ ?

8,  $14\frac{1}{3}$ ,  $8\frac{2}{3}$ ,  $14\frac{1}{3}$ ,  $8\frac{2}{3}$ ,  
 $14\frac{2}{3}$ , 9, \_\_\_\_\_,  $9\frac{1}{3}$ ,  
 $15\frac{1}{3}$ ,  $9\frac{2}{3}$ ,  $15\frac{2}{3}$ , 10,  
16

$$0.6 (0.8 (0.6 \times 5)) =$$

Rewrite  $\frac{23}{50}$  as a decimal.

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 (28 / 7)

print (9 \* 8)

print (24 / 6)

print (26 + 28)

$9 + 11 \times 5 + 10$

$(0.4)(0.14)$

$|-14| - p = 21$

$p =$

**The computer replied:**

4

\_\_\_\_

\_\_\_\_

$\$80 - p = \$30$   
What is the value of p?

44, 58, 72, 86, \_\_\_\_\_, 114,  
128

If  $x = -9$  and  $y = 38$  then  
what is the value of w?  
 $5x + 13y + 2y = w$

$\frac{11}{16} \div \frac{7}{8} =$

$y = x + 16$   
 $y = 21$   
What is the value of x?

$|-15| + g = 22$

$g =$

Name: \_\_\_\_\_

Thomas, Emma, Sean, Michael, Brianna, Christopher, and Luis counted the number of pennies that they saved. Each person had a different number of pennies. One has six hundred sixty-six pennies, one has eight hundred eighty-four pennies, one has two hundred thirty-nine pennies, one has three hundred twenty-one pennies, one has four hundred ninety-seven pennies, one has nine hundred forty-three pennies, and one has one hundred fifty-two pennies

How many pennies does each person have?

1. For the number of pennies that Michael has, the hundreds place is four more than the ones.
2. Among the number of pennies that everyone has, Luis' total has the smallest number in the hundreds place.
3. Among the number of pennies that everyone has, Brianna's total has the largest number in the ones place.
4. For the number of pennies that Christopher has, the tens place is five less than the hundreds.
5. For the number of pennies that Emma has, the hundreds place is more than the ones.
6. The sum of the ones and tens place in the number of pennies that Sean has is twelve.
7. Christopher's total number of pennies is not 497.

Thomas has \_\_\_\_\_ pennies.

Emma has \_\_\_\_\_ pennies.

Sean has \_\_\_\_\_ pennies.

Michael has \_\_\_\_\_ pennies.

Brianna has \_\_\_\_\_ pennies.

Christopher has \_\_\_\_\_ pennies.

Luis has \_\_\_\_\_ pennies.



Name: \_\_\_\_\_

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

```
FirstNumber = 24
SecondNumber = 25
if (FirstNumber >= SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

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

```
FirstNumber = 27
SecondNumber = 22
if (FirstNumber >= SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

\_\_\_\_\_

\_\_\_\_\_

```
FirstNumber = 49
SecondNumber = 36
if (FirstNumber <= SecondNumber)
  print ("Less than or equal")
else:
  print ("Greater than");
```

```
FirstNumber = 25
SecondNumber = 23
if (FirstNumber >= SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

9 km = \_\_\_\_\_ m

54 ÷ 6 = \_\_\_\_\_

12 x 9 = \_\_\_\_\_



Name: \_\_\_\_\_

```
MYGRADE = 83
if (MYGRADE >= 90)
  print ("Nice score!")
if (MYGRADE < 90)
  print ("Keep trying")
```

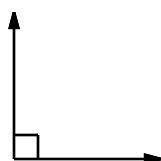
Keep trying

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

```
MYGRADE = 71
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?")
```

Um. Maybe  
study next  
time?

```
MYGRADE = 96
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?")
```

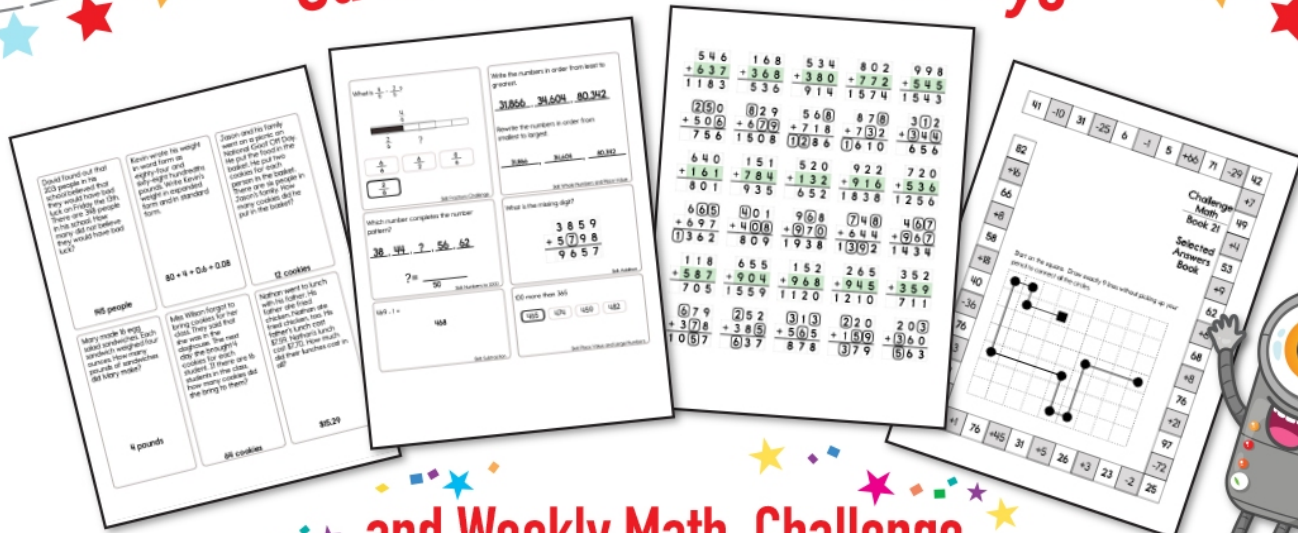


What kind of angle is this?

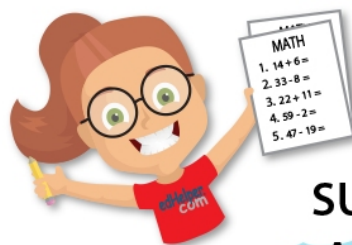
Sketch 2 lines  $\overleftrightarrow{EF}$  and  $\overleftrightarrow{VW}$  that are perpendicular.



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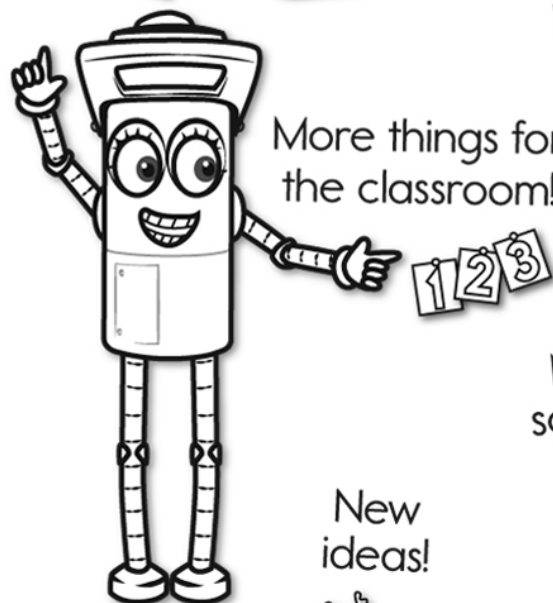


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