

CODING

Book #5



And some math...

Use $>$, $<$, or $=$ to complete.

$$\frac{1}{12} \text{ — } 22\%$$

$$\frac{3}{4} \text{ — } 60\%$$

$$\frac{2}{3} \text{ — } 45\%$$

$$\frac{1}{7} \div \frac{9}{14} =$$

$$639 \div 10$$

$$t - 10 + t = 40$$

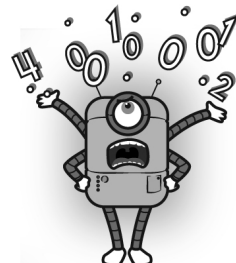
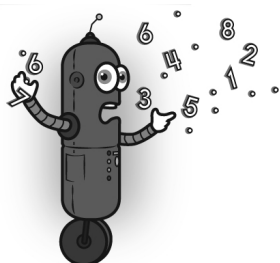
What is the value of t ?

$$|-14| - x = 16$$

$$x =$$

$$\frac{8}{9} \times \frac{9}{11}$$

for good measure!





Name: _____

Patterns

Dr. Programmer typed:

```
# Trying to make a pattern.
```

Does this work?

$$A = 6$$
$$B = 2$$
$$C = A + B$$
$$D = C + B$$
$$E = D + B$$

```
print ("This pattern counts by ", B)
```

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

The computer replied:

This pattern

counts by 2

The pattern is

6 , 2 , 8

$$A = 6$$
$$B = 2$$
$$C = A + B$$
$$D = C + B$$
$$E = D + B$$

```
print ("This pattern counts by ", B)
```

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

$$A = 7$$
$$B = 4$$
$$C = A + B$$
$$D = C + B$$
$$E = D + B$$

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

The pattern is 7

 4 1 1

Circle the greatest amount:

24%

0.38

$$\frac{12}{25}$$
$$10g - 29.9 = 30.1$$
$$g =$$
$$16.2173 \times 10^4 =$$



Name: _____

$$A = 6$$

$$B = 2$$

$$C = A + B$$

$$D = C + B$$

$$E = D + B$$

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

I _ _ _ p _ _ _ _ _ n i _ _

. 2 . 8

$$A = 9$$

$$B = 3$$

$$C = A + B$$

$$D = C + B$$

$$E = D + B$$

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

_ _ e _ _ _ _ e _ _ _ _

. _ . _ 2

$$ADDTO = 3$$

$$STARTNUM = 7$$

$$NUM2 = STARTNUM + ADDTO$$

$$NUM3 = NUM2 + ADDTO$$

$$NUM4 = NUM3 + ADDTO$$

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

7 . 10 . 13 .

16

$$ADDTO = 4$$

$$STARTNUM = 6$$

$$NUM2 = STARTNUM + ADDTO$$

$$NUM3 = NUM2 + ADDTO$$

$$NUM4 = NUM3 + ADDTO$$

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

6 . 0 . 1 .

_ 8

Reduce $\frac{50}{80}$ to its lowest terms.

$$\begin{array}{r} 121 \\ + 80 \\ \hline \end{array}$$

$$\begin{array}{r} 412 \\ - 163 \\ \hline \end{array}$$



Name: _____

```
ADDTO = 2
STARTNUM = 7
NUM2 = STARTNUM + ADDTO
NUM3 = NUM2 + ADDTO
NUM4 = NUM3 + ADDTO
print (STARTNUM, ", ", NUM2, ", ", NUM3, ", ", NUM4)
```

— — — — —

— —

$$\begin{array}{r} 60,929 \\ - 5,460 \\ \hline \end{array}$$

Find 25% of 296.

$$\begin{array}{r} 9,709 \\ 762 \\ + 159 \\ \hline \end{array}$$

Write the decimal number
for:
twenty-eight
ten-thousandths

$$\begin{array}{r} 75.85 \\ + 117.4 \\ \hline \end{array}$$

Change $\frac{22}{50}$ to a
decimal.

$$\begin{array}{r} \frac{1}{12} \\ \frac{1}{12} \\ + \frac{10}{12} \\ \hline \end{array}$$

Change 10% to a decimal
and a fraction expressed in
its lowest terms.

$$\begin{array}{r} 897 \\ 466 \\ 274 \\ + 478 \\ \hline \end{array}$$

word root **spir** can mean **breath** **perspiration, respiration**

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 (40 / 5)

print (6 * 8)

print (18 / 9)

print (25 + 29)

$7 \times -2 =$

$0.8 (0.7 (0.8 \times 8)) =$

What is the greatest common factor of the numbers 60 and 24?

The computer replied:

8

$56 \div -8 =$

$6.5964 \times 10^2 =$

$p - \$51 = \21
What is the value of p?

$12 + -9 =$

$\frac{1}{10} \times \frac{3}{6}$

What is the remainder of 65 divided by 14?

Name: _____

Austria, Russia, Germany, and Britain competed in a two-run bobsled competition. The times on the first run were two minutes and 1.33 seconds, two minutes and 1.74 seconds, two minutes and 2.06 seconds, and two minutes and 1.21 seconds.

The times on the second run were two minutes and 3.11 seconds, two minutes and 4.14 seconds, two minutes and 3.68 seconds, and two minutes and 3.97 seconds.

Figure out the time needed for each run and the combined run time for each team.

1. On the first run, the team from Germany was eighty-five hundredths of a second behind the winners of the first run.
2. The bobsled team from Austria clocked a combined time of four minutes and 5.88 seconds.
3. On the second run, the team from Russia was two seconds and two hundred seventy-six hundredths of a second slower than their first run.
4. The team from Britain finished the second race in less than two minutes and 3.14 seconds.

Austria finished the first run in _____ and the second in _____.

Russia finished the first run in _____ and the second in _____.

Germany finished the first run in _____ and the second in _____.

Britain finished the first run in _____ and the second in _____.

Write the decimal in words.

1.9

$$\begin{array}{r} 7\frac{3}{9} \\ + \frac{5}{9} \\ \hline \end{array}$$

Find the difference between 773 and 161.



Name: _____

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

```
FirstNumber = 23
SecondNumber = 22
if (FirstNumber >= SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

The computer replied:

Greater than or
equal

```
FirstNumber = 22
SecondNumber = 26
if (FirstNumber >= SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

```
FirstNumber = 48
SecondNumber = 49
if (FirstNumber <= SecondNumber)
  print ("Less than or equal")
else:
  print ("Greater than");
```

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

How many pounds are in 32 ounces?

_____ pounds

96,794 + 42,429 = _____



Name: _____

```
MYGRADE = 95
if (MYGRADE >= 90)
    print ("Nice score!")
if (MYGRADE < 90)
    print ("Keep trying")
```

N i c e s c o r e !

```
MYGRADE = 92
if (MYGRADE >= 90)
    print ("Nice score!")
if (MYGRADE < 90)
    print ("Keep trying")
```

```
MYGRADE = 82
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 = 93
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?")
```

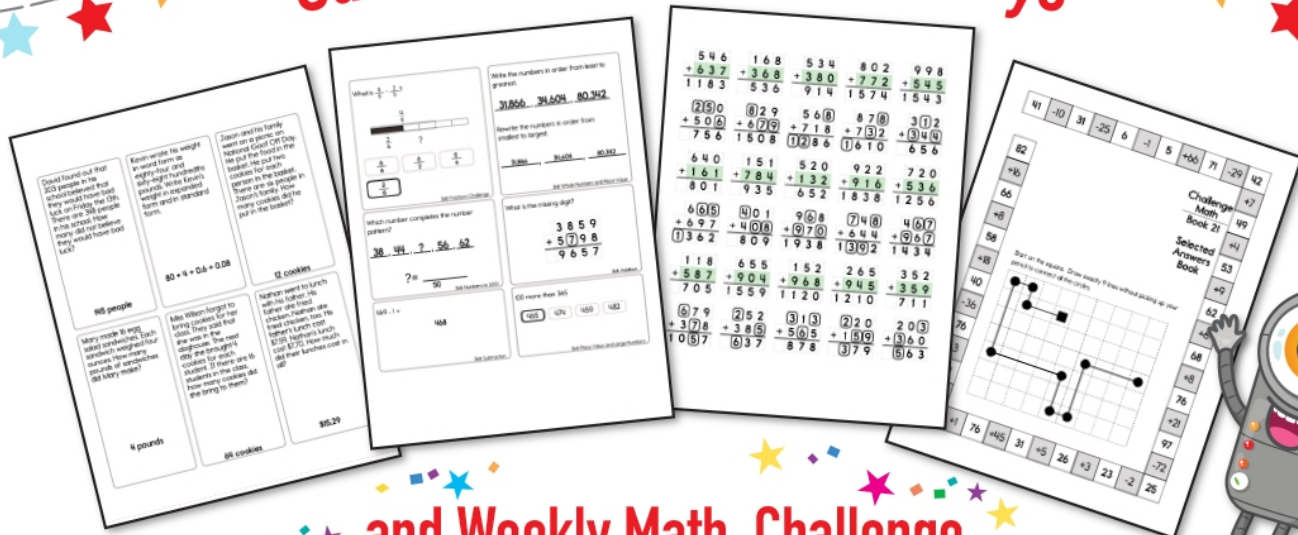
$$|-13| - y = 6$$
$$y =$$

$$t - 20 + 10 = 13$$

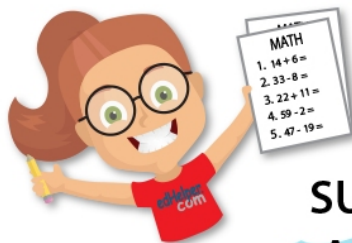
What is the value of t ?

Each side of a regular pentagon is 18.7 centimeters. What is the perimeter?

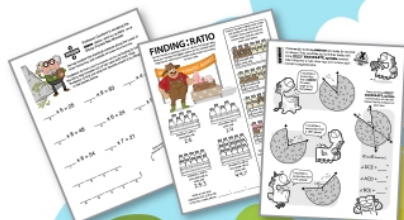
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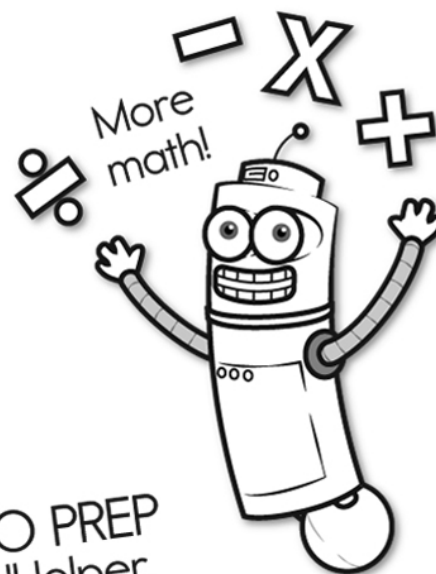
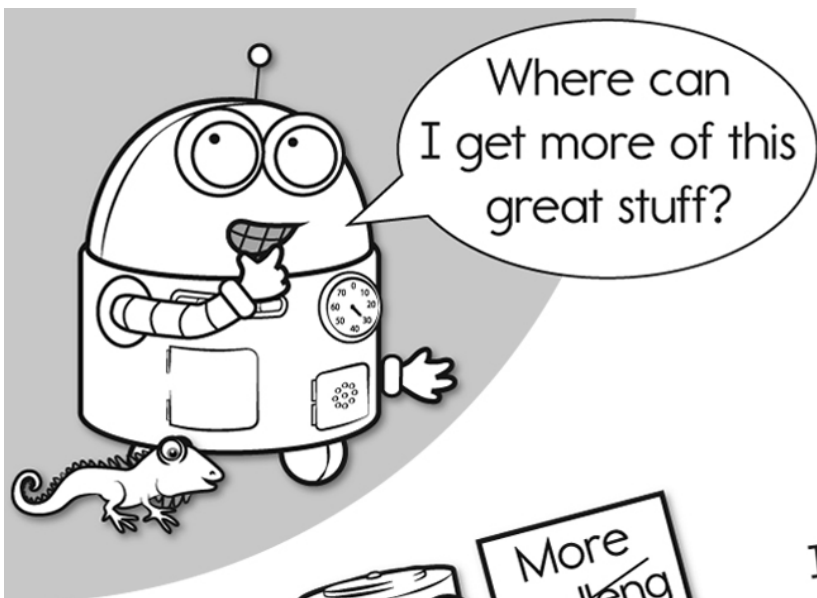


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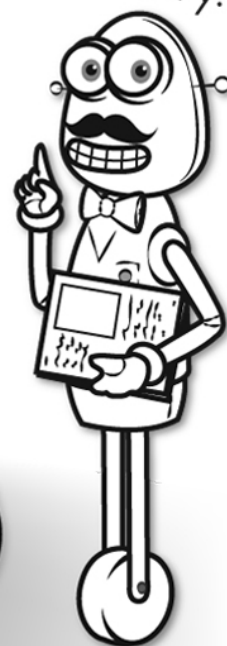


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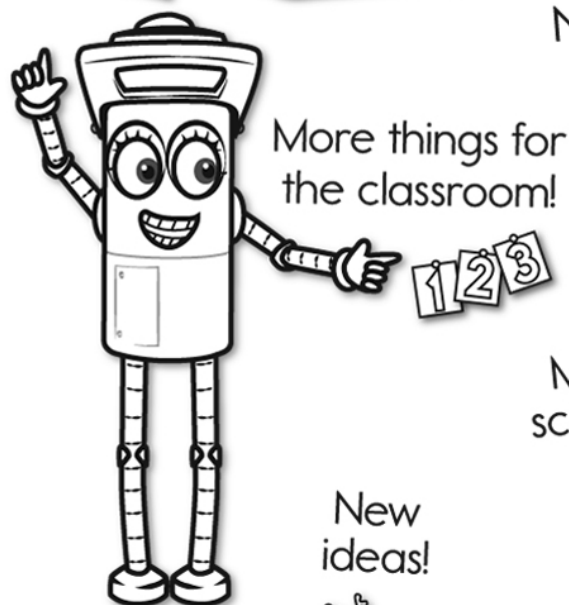
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