

CODING

Book #5



And some math...

How much money is 1 quarter, 7 dimes, 1 nickel, and 1 penny?

It was 3 degrees below zero in the morning. By afternoon the temperature rose 23 degrees. How warm was it?

Pick the family fact that is missing.

$$60 \div 15 = 4$$

$$4 \times 15 = 60$$

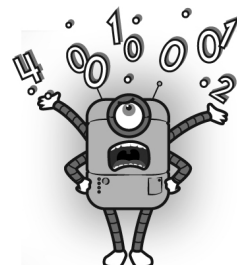
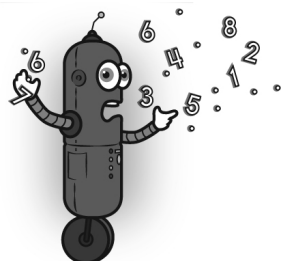
$$15 \times 4 = 60$$

15, _____, 25, 30, 35, 40,
45, 50

Write $\frac{12}{15}$ in lowest terms.

The diameter of a circle is 834 cm. What is the radius of this circle?

for good measure!





Name: _____

Patterns**Dr. Programmer typed:**

```
# Trying to make a pattern.  
# Does this work?  
A = 9  
B = 4  
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 4
The pattern is
9 . 4 . 13

```
A = 6  
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 = 2  
C = A + B  
D = C + B  
E = D + B  
print ("The pattern is ",A," ",B," ",C);
```

The pattern is 8
. 2 . 10

Find 12% of 5.

$$\frac{16}{32} = \frac{?}{8}$$

Change to a fraction.
34%



Name: _____

$$A = 5$$

$$B = 3$$

$$C = A + B$$

$$D = C + B$$

$$E = D + B$$

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

_____ r _____ i _____

• — • —

$$A = 9$$

$$B = 2$$

$$C = A + B$$

$$D = C + B$$

$$E = D + B$$

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

_____ p _____ r _____

• — • — 1

$$ADDTO = 4$$

$$STARTNUM = 5$$

$$NUM2 = STARTNUM + ADDTO$$

$$NUM3 = NUM2 + ADDTO$$

$$NUM4 = NUM3 + ADDTO$$

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

5 . 9 . 13 .

17

$$ADDTO = 4$$

$$STARTNUM = 7$$

$$NUM2 = STARTNUM + ADDTO$$

$$NUM3 = NUM2 + ADDTO$$

$$NUM4 = NUM3 + ADDTO$$

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

— . 11 . — .

19

How many centimeters in 4.8 meters?

The perimeter of a rectangle is 26 cm. The longer side is 9 cm. How long is the shorter side?

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



Name: _____

`ADDTO = 3``STARTNUM = 8``NUM2 = STARTNUM + ADDTO``NUM3 = NUM2 + ADDTO``NUM4 = NUM3 + ADDTO``print (STARTNUM, ", ", NUM2, ", ", NUM3, ", ", NUM4)`

It was 6 degrees above zero in the morning. By afternoon the temperature rose 29 degrees. How warm was it?

It was 70 degrees outside. What would the temperature be if it got 25 degrees colder?

A rectangle is 37 cm on one side and 13 cm on another side. What is the perimeter?

85, 90, _____, 100, 105, 110

63 divided by 9 equals

$41 + n = 60$

What is the value of n ?

It's 7:00 a.m. Holly has soccer practice today. If practice starts at 6:30 p.m., then how much longer until soccer starts?

$16 \div 2 + 5$

Draw a number line with 0, $\frac{1}{2}$, and 1. Show where $\frac{6}{12}$ would go. Is $\frac{6}{12}$ closer to 0, $\frac{1}{2}$, or 1?

word root **bi** can mean **two****bicycle, bifocals**

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 (21 / 3)

print (6 * 9)

print (30 / 5)

print (26 + 40)

The computer replied:

7

$$\begin{array}{r} 20 \\ \times 5 \\ \hline \end{array}$$

$$\begin{array}{r} 28 \\ \times 20 \\ \hline \end{array}$$

$$\begin{array}{r} 132 \\ \times 27 \\ \hline \end{array}$$

What is the area of a rectangle with sides 3 cm and 10 cm?

How many minutes is it from 6:00 a.m. to 11:25 a.m.?

(1,296) , _____, (36) ,
(6) , (1) , $\frac{1}{6}$, $\frac{1}{36}$, $\frac{1}{216}$,
 $\frac{1}{1296}$, $\frac{1}{7776}$

12, 14, _____, 18, 20, 22

How many minutes is it from 6:00 a.m. to 11:15 a.m.?

It was 3 degrees above zero in the morning. By afternoon the temperature rose 19 degrees. How warm was it?



Name: _____

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

```
FirstNumber = 24
SecondNumber = 26
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 = 26
if (FirstNumber >= SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

```
FirstNumber = 45
SecondNumber = 31
if (FirstNumber <= SecondNumber)
  print ("Less than or equal")
else:
  print ("Greater than");
```

```
FirstNumber = 24
SecondNumber = 22
if (FirstNumber >= SecondNumber)
  print ("Greater than or equal")
else:
  print ("Less than");
```

Circle the word that best completes the sentence.

(Although/However) I don't like reading classic books, I really enjoyed *The Call of the Wild*.

How many kilograms are in 3,000 grams?

_____ kilograms



Name: _____

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

Nice score!

```
MYGRADE = 81
if (MYGRADE >= 90)
    print ("Nice score!")
if (MYGRADE < 90)
    print ("Keep trying")
```

```
MYGRADE = 99
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?")
```

You got an A

```
MYGRADE = 88
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?")
```

How many minutes is it
from 7:00 a.m. to 10:20 a.m.?

Know how many inches in
a foot? Okay, smarty pants,
how many inches in 6 feet?

Round 52,524 to the
nearest hundred.

Name: _____

Christina, Brandon, Jordan, Nicholas, Samuel, and Lauren each ate something different for breakfast. One had pancakes, one had muffins, one had sausages, one had cereal, one had a melon, and one had donuts for breakfast.

What did each person have for breakfast?

1. Jordan did not have pancakes for breakfast.
2. Brandon did not have pancakes or cereal for breakfast.
3. Christina likes to eat either donuts or pancakes for breakfast.
4. Jordan did not have a melon or donuts for breakfast.
5. Only Jordan and Lauren like meat for breakfast.
6. Nicholas did not have donuts or pancakes for breakfast.
7. Christina did not have donuts for breakfast.
8. Lauren did not have cereal for breakfast.
9. Brandon likes to eat either a melon or donuts for breakfast.
10. Lauren likes to eat either a melon or sausages for breakfast.
11. Samuel likes to eat either muffins or pancakes for breakfast.
12. Nicholas did not have a melon or pancakes for breakfast.

Christina had _____ for breakfast.

Brandon had _____ for breakfast.

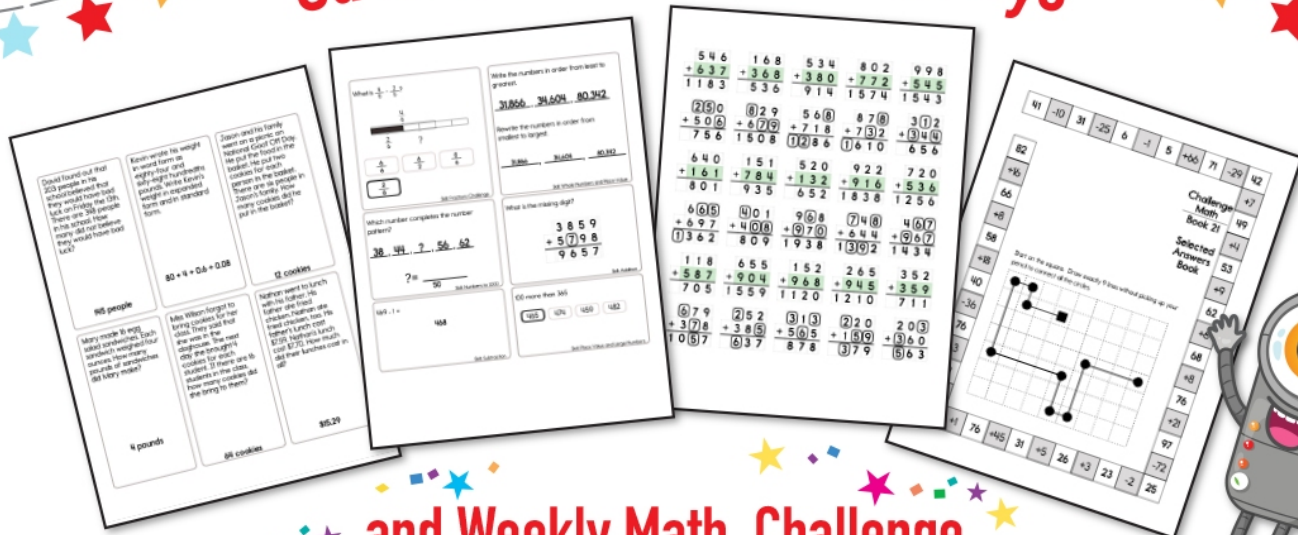
Jordan had _____ for breakfast.

Nicholas had _____ for breakfast.

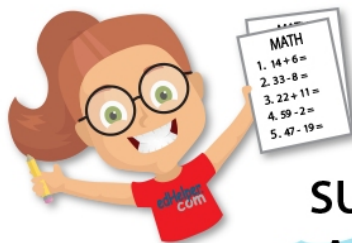
Samuel had _____ for breakfast.

Lauren had _____ for breakfast.

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