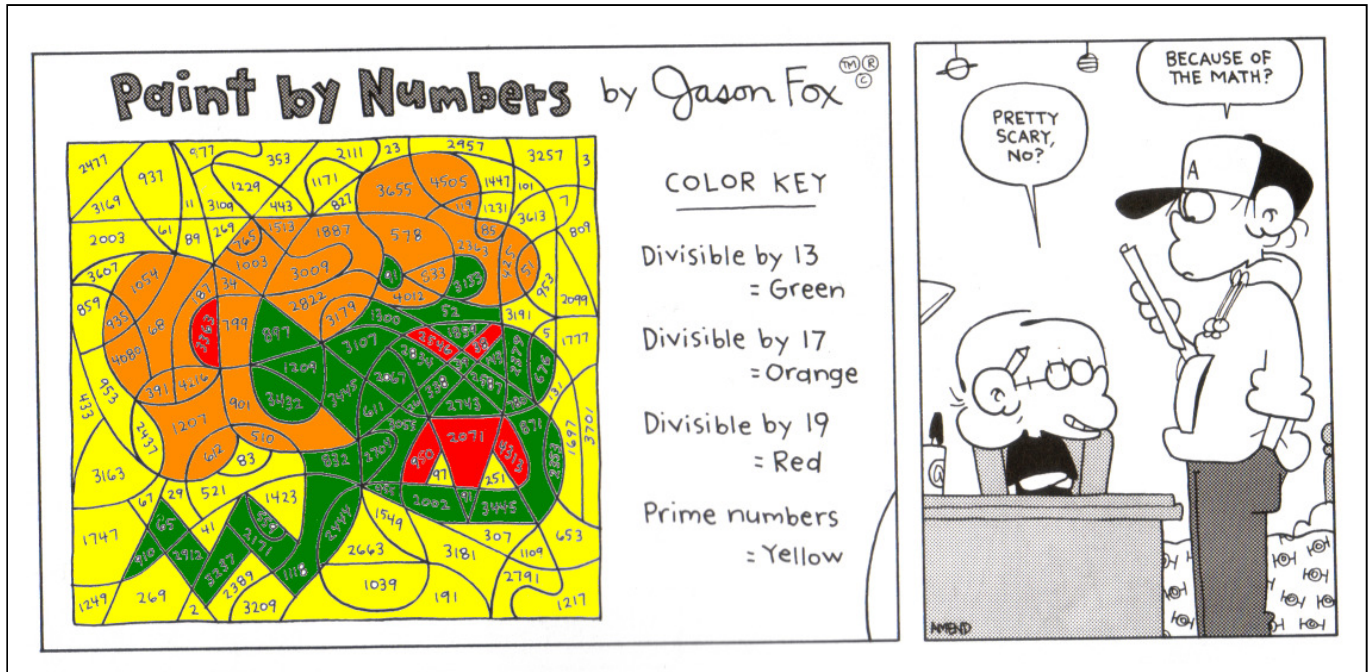




The above is Jason's idea of a "scary Paige" (from page 129 of "Math, Science and Unix Underpants" by Bill Amend)

Please note: since the color orange is not available in tiny-c, we use magenta.

```
tc>.r amend.tc
1643
0 62 1643 22857
tc>.amend

amend.tc - tct - 5/2/2010
please visit http://primepuzzle.com/tc/amend.html

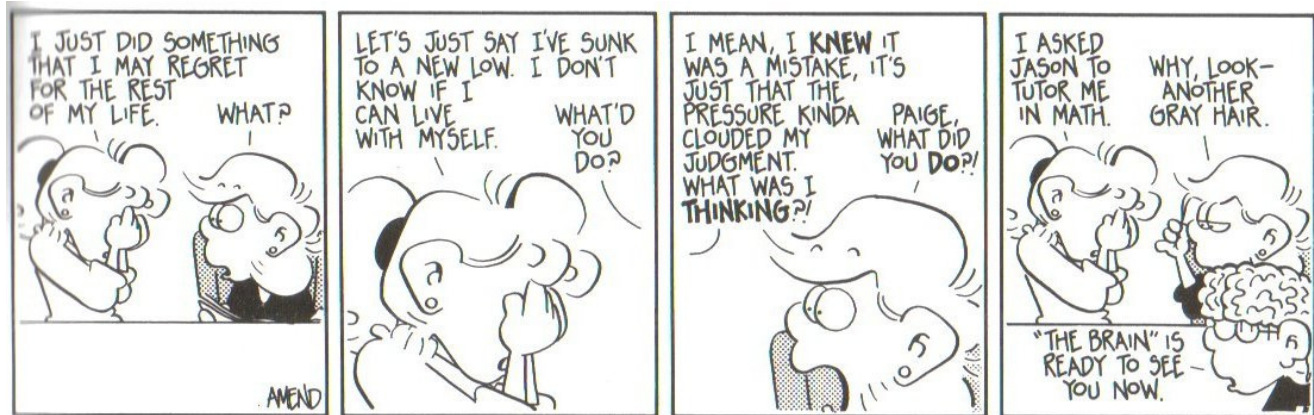
green
3445 910 65 2912 3237 897 1209 3432 559 2171 832 1118 2444 455 3445 91 2002
2704 611 3055 26 338 2743 2587 780 871 2353 676 2379 143 39 1859 2834 2067
3107 1300 52 3133 91

magenta
935 1054 68 4080 391 187 34 799 4216 1207 612 2822 901 510 3179 4012 51
425 2363 833 578 3009 1887 1513 1003 765 85 119 4505 3655

red
3363 2071 4313 950 38 2546

yellow
251 859 3607 953 433 3163 67 1747 1249 29 2437 41 269 2 83 521 1423
2389 3209 1039 2663 1549 191 3181 307 1109 2791 1217 653 97 1697 3701 131 3191
5 1777 2099 953 269 89 61 2003 827 3109 809 1231 1447 101 3613 7 3
3257 2957 23 2111 1171 443 1229 353 977 11 937 3169 2477

139 numbers processed.
tc>_
```



```
prime int p [return(factor(p)==p)]

factor int f [int p(42),j
p(0)=2;p(1)=3;p(2)=5;p(3)=7;p(4)=11;p(5)=13
p(6)=17;p(7)=19;p(8)=23;p(9)=29;p(10)=31
p(11)=37;p(12)=41;p(13)=43;p(14)=47;p(15)=53
p(16)=59;p(17)=61;p(18)=67;p(19)=71
```

```
p(20)=73;p(21)=79;p(22)=83;p(23)=89
p(24)=97;p(25)=101;p(26)=103;p(27)=107
p(28)=109;p(29)=113;p(30)=127;p(31)=131
p(32)=137;p(33)=139;p(34)=149;p(35)=151
p(36)=157;p(37)=163;p(38)=167;p(39)=173
p(40)=179;p(41)=181;p(42)=191
for (j=0;j<=42;++j) if (!(f%p(j))) return p(j)
return f
}

/* amend.tc - tct - 5/2/2010

split int t(0);char s(0),d(0) {
int y,ix,tx,sl,ds;ds=strlen(d);t(0)=s;sl=strlen(s)
while (sl-tx) {
ix=index(s+tx,sl-tx,d,ds)
tx=tx+ix+ds-1;t(++y)=s+tx;s(tx-ds)=0
}
return y
}

amend [
int amend(200),v(0),m,n,c,i,tc
char aft(1000),crlf(2);crlf(0)=13;crlf(1)=10
char cs(30);strcpy cs,"green magenta red yellow "
int colors(3);split(colors,cs," ")
char colorsc(3);colorsc(0)='2';colorsc(1)='5';colorsc(2)='1';colorsc(3)='3'
int primes(2);primes(0)=13;primes(1)=17;primes(2)=19
readfile("af.txt",aft,aft+1000,1)
m=split(amend,aft,crlf)
pl "amend.tc - tct - 5/2/2010"
pl "please visit http://primepuzzle.com/tc/amend.html"
for (i=0;i<4;++i) {
pl "";color(colorsc(i));pl colors(i);pl "";pl ""
n=m;c=0
while n {
atoi(amend(n-1),v)
if i<3 {
if !(v(0)%primes(i)) [++c;MC v(0),14;ps " "]
}
else {
if prime(v(0)) [++c;MC v(0),14;ps " "]
}
if ((c!=0)*(c%17==0)) [tc=tc+c;pl "";c=0]
--n
}
tc=tc+c
}
pl "";pl "";color('7')
if tc==m [MC m,14;ps " numbers processed."]
else [MC m-tc,14;ps " number(s) not processed."]
pl ""
}
]
```