

1) 43	6) 132	11) No cheese: 380 with cheese: 165
2) 64	7) 56, 57, 58	12) old: 1650 barrels new: 2000 barrels
3) 42	8) 33, 35, 37	13) 32 weeks
4) 147	9) 58, 60, 62, 64	14) 30.4 min.
5) 27	10) 37, 38, 39, 40, 41	

2) Let $x =$ the number
 $3x + 5 = 197$

7) Let $x =$ smallest
 $x+1 = 2^{\text{nd}}$
 $x+2 =$ largest
 $x + (x+1) + (x+2) = 171$
 $3x + 3 = 171$

6) Let $x =$ the number 132
 $\frac{3}{4}x - 8 = 91$
 $\frac{3}{4}x - 8 + 8 = 91 + 8$
 $4(\frac{3}{4}x = 99)$
 $\frac{3x}{3} = \frac{396}{3}$
 $x = 132$
 $\{132\}$

10) Let $x =$ smallest
 $x+1 = 2^{\text{nd}}$
 $x+2 = 3^{\text{rd}}$
 $x+3 = 4^{\text{th}}$
 $x+4 =$ largest

9) Let $x =$ smallest

58
60
62
64

 $x+2 = 2^{\text{nd}}$
 $x+4 = 3^{\text{rd}}$
 $x+6 =$ largest

13) Let $x =$ # weeks
 $3.5x + 88 = 200$

$x + (x+2) + (x+4) + (x+6) = 244$
 $4x + 12 = 244$
 $4x + 12 - 12 = 244 - 12$
 $\frac{4x}{4} = \frac{232}{4}$
 $x = 58$
 $\{58\}$

14) Let $x =$ time to fill 30.4 min

$240 + 25x = 1000$ 30 min 24 sec $\frac{60}{240}$

$240 - 240 + 25x = 1000 - 240$
 $\frac{25x}{25} = \frac{760}{25}$
 $x = 30.4$
 $\{30.4\}$

WS
1- 16 all
M.R.
1- 12 all