

**Page 1**

300	3000	300	3
30	30,000	3,000,000	30
76,350	400	498,700	5,000
1,230	2,000,000	500	700,000

**Page 2**

1. 300
2. 40
3. 20
4. 130
5. 100
6. 50
7. 20
8. 40
9. 4
10. 600

1. three thousand four-hundred and fifty eight
2. three hundred and seventy-six
3. one thousand and forty
4. seven hundred and two
5. fifteen thousand two hundred and ninety-seven
6. one hundred sixty-five thousand six hundred and twenty-three
7. two million four hundred eighty-one thousand five hundred and nine

**Page 3**

5. a.  $4,000 + 600 + 70 + 8$       b.  $300,000 + 90,000 + 600 + 80$
6. a.  $6,000 + 300 + 50 + 2$       b.  $700 + 70 + 9$
7. a.  $800,000 + 70,000 + 4,000 + 300 + 60 + 3$       b.  $70 + 6$
8. a. 595      b. 788      c. 111      d. 54
9. a. 5 b. 2 c. 3 d. 4
10. a. 3 b. 6 c. 9 d. 0

**Page 4**

1. 4    4    3
2.  $900 + 70 + 0$
3. 10,477
4. 74,322
5. 1,4,5,7,7,8,8,9
6. 1,000
7. 8,000,000

**Page 5**

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**Page 6**

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1. -2, -1, 0, 5, 7, 10
2. -10, -6, -5, 1, 2, 4
3. -6, -3, -2, 0, 4, 9
4. -5, -3, -2, 2, 3, 5
5. -9, -8, 0, 1, 8, 10

**Page 7**

10,128	1,363	1,169	8,997
5,779	1,180	1,139	1,000
1,672	1,030,012	21,212	6,369
748,367	8,355	15,171	1,032,296
3,081	4,049	4,884	2,782
2,811	1,702	2,515	3,897
23,833	76,311	293,811	28,108
148,516	25,678	21,188	21,609

**Page 8**

1. 717
2. 1,651
3. 420
4. 1,168

**Page 9**

5. 1,215
6. 584
7. 587
8. 143

**Page 10**

9. 391
10. 607
11. \$816
12. \$2,698

**Page 11**

13. 1,580
14. 432
15. 638
16. 807

**Page 12**

17. 810 balloons
18. 657 notes
19. 136 people
20. 32 boxes

**Page 13**

21. \$10,077
22. 2,985
23. 4,026
24. \$1,670

**Page 14**

25. 19,720
26. 26,000
27. 15,701
28. 19,950

**Page 15**

29. 4,210
30. 920
31. 96,306
32. 94,982

**Page 16**

Factors

**Page 17**

A. 16	Composite	1,2,4,8,16
B. 25	Composite	1,5,25
C. 17	Prime	1,17
D. 50	Composite	1,2,5,10,25,50
E. 24	Composite	1,2,3,4,6,8,12,24
F. 49	Composite	1,7,49
G. 29	Prime	1,29
H. 32	Composite	1,2,4,8,16,32
I. 36	Composite	1,2,3,4,6,9,12,18,36
J. 13	Prime	1,13

**Page 18**

Prime Factorization

**Page 19**

- A.  $2 \times 2 \times 2 = 2^3$
- B.  $2 \times 2 \times 2 \times 7 = 2^3 \times 7$
- C.  $1 \times 113$
- D.  $3 \times 3 \times 3 = 3^3$
- E.  $3 \times 3 \times 7 = 3^2 \times 7$
- F.  $2 \times 3 \times 3 \times 5 \times 7 = 2 \times 3^2 \times 5 \times 7$

**Page 20**

- G.  $1 \times 173$
- H.  $1 \times 47$
- I.  $1 \times 89$
- J.  $2 \times 2 \times 2 \times 2 \times 2 \times 2 = 2^6$
- K.  $2 \times 2 \times 3 \times 41 = 2^2 \times 3 \times 41$
- L.  $2 \times 5 \times 13$

**Page 21**

Multiplication

**Page 22**

120	100	180	240
48	200	170	630
112	123	136	170
438	396	44	105
122	324	190	135
270	120	492	440
292	308	100	72
138	136	424	280

**Page 23**

372	9,415
1,728	16,098
4,104	10,436
4,590	14,175
5,992	37,695
724	54,744
972	42,568
3,092	9,784
3,880	27,009
4,797	34,548
1,674	12,645
1,143	17,950
818	49,648

**Page 24**

448	1,173
3,168	4,872
1,200	2,496
1,656	2,585
4,148	1,092
2,001	3,174
936	7,315
800	897
5,994	1,288
1,755	3,538
5,986	486
663	2,205

**Page 25**

2,583	3,772
5,952	4,453
1,239	280
1,350	5,644
5,040	544
4,588	5,440
864	4,615
3,168	5,733
946	5,358
612	3,200
936	2,546
1,800	3,201

**Page 26**

1. 24
2. 40
3. 6
4. 105

**Page 27**

- 5. 60
- 6. 48
- 7. 88
- 8. 128

**Page 28**

- 9. 28
- 10. 102
- 11. 91
- 12. 432

**Page 29**

- 13. 156
- 14. 500
- 15. 630
- 16. 372

**Page 30**

- |                       |        |          |
|-----------------------|--------|----------|
| 1. 101                | 2. 4!  | 3. 1,000 |
| 4. 10                 | 5. 30  | 6. 40    |
| 7. 4                  | 8. 2   | 9. 100   |
| 10. 200               | 11. 10 | 12. 111  |
| 13. d. $58 \times 49$ |        |          |
| 14. b. $73 \times 51$ |        |          |
| 15. c. $22 \times 26$ |        |          |

**Page 31**

- a.  $8 \times 7 = 56$  cookies
- b.  $4 \times 5 = 40$  cupcakes
- c.  $32 / 8 = 4$  containers
- $16 / 4 = 4$  containers
  
- d.  $56 + 40 = 96$  cookies and cupcakes all together

**Page 32**

- |    |    |    |    |
|----|----|----|----|
| 6  | 10 | 9  | 3  |
| 6  | 8  | 10 | 5  |
| 10 | 9  | 3  | 4  |
| 7  | 4  | 3  | 8  |
| 6  | 5  | 6  | 4  |
| 7  | 10 | 7  | 7  |
| 7  | 7  | 10 | 9  |
| 7  | 7  | 2  | 4  |
| 8  | 3  | 5  | 9  |
| 8  | 2  | 5  | 10 |
| 8  | 9  | 11 | 3  |

**Page 33**

Division

**Page 34**

- |        |        |
|--------|--------|
| 1. 81  | 2. 138 |
| 3. 197 | 4. 134 |
| 5. 457 | 6. 31  |
| 7. 13  | 8. 18  |
| 9. 36  | 10. 66 |
| 11. 38 | 12. 37 |
| 13. 43 | 14. 30 |
| 15. 92 | 16. 60 |
| 17. 56 | 18. 63 |

**Page 35**

- 1. 3
- 2. 15
- 3. 6
- 4. 24

**Page 36**

- 5. 9
- 6. 8
- 7. 4
- 8. 7

**Page 37**

- 9. 12
- 10. 30
- 11. 20
- 12. 4

**Page 38**

- 13. 5
- 14. 6
- 15. 18
- 16. 9

**Page 39**

Division with Remainders

**Page 40**

- |           |           |
|-----------|-----------|
| 1. 2 R 2  | 2. 2 R 1  |
| 3. 3 R 3  | 4. 3 R 5  |
| 5. 4 R 1  | 6. 2 R 2  |
| 7. 5 R 1  | 8. 1 R 5  |
| 9. 4 R 2  | 10. 6 R 1 |
| 11. 2 R 3 | 12. 3 R 4 |
| 13. 2 R 2 | 14. 2 R 5 |
| 15. 2 R 3 | 16. 3 R 3 |
| 17. 5 R 2 | 18. 4 R 2 |

**Page 41**

- |            |             |
|------------|-------------|
| 1. 26 R 4  | 2. 22 R 2   |
| 3. 31 R 1  | 4. 4 R 3    |
| 5. 109 R 1 | 6. 63 R 2   |
| 7. 23 R 3  | 8. 18 R 6   |
| 9. 104 R 2 | 10. 53      |
| 11. 24 R 3 | 12. 46 R 3  |
| 13. 89 R 1 | 14. 102 R 5 |
| 15. 24 R 1 | 16. 178 R 3 |
| 17. 39     | 18. 124 R 3 |

**Page 42**

- $135 / 5 = 27$  shelves
- $216 / 8 = 27$  candies
- $112 / 28 = 4$  buses
- $197 / 9 = 21$  R 8 21 rows needed 8 chairs left

**Page 43**

- $151 / 3 = 50$  R 1 50 chairs and 1 balloon left
- $542 / 4 = 135$  R 2 135 goody bags and 2 favors left
- $88 / 7 = 12$  R 4 12 stickers and 4 stickers left
- $33 / 5 = 6$  R 3 6 cars and 3 people still left

**Page 44**

1	44	2	40
3	36	4	11
5	52	6	28



**Page 45**

1	74	2	13
3	31	4	32
5	65	6	128
7	51	8	15
9	46	10	19

**Page 46**

- 1.  $5/7$                       2.  $1/4$
- 3.  $2/3$                         4.  $3/6$
- 5.  $2/4$  or  $1/2$                 6.  $5/9$

**Page 47**

- $3/6$                        $2/8$  or  $1/4$
- three, sixths        one, fourth
- $6/11$                      $3/5$
- six, elevenths    three, fifths
- $2/4$                        $1/3$
- two, fourths        one, third
- $2/3$                        $3/10$
- two, thirds            three, tenths

**Page 48**

- $2/4$                        $3/7$
- two, fourths        three, sevenths
- $5/10$                      $2/3$
- five, tenths        two, thirds
- $3/4$                        $2/5$
- three, fourths    two, fifths
- $2/2$                        $4/8$
- two, halves        four, eighths

**Page 49**

- 1.  $3/6 > 1/3$
- 2.  $1/2 = 2/4$
- 3.  $3/7 < 5/10$
- 4.  $4/6 = 2/3$

**Page 50**

	2
	6
	2

**Page 51**

1.  $11/15$ ,  $5\ 1/9$       2.  $7/74$ ,  $8\ 4/7$   
 3.  $3/7 < 5/7$       4.  $7/8 > 4/8$

4 slices left  
 8 / 12 eaten  
 4 / 12 left

**Page 52**

$3\ 7/8$	$5\ 1/5$
$3\ 1/4$	$5\ 7/8$
$2\ 1/7$	$9\ 1/2$
$6\ 2/6 = 6\ 1/3$	$6\ 1/4$
$5\ 2/3$	$10\ 2/5$
$2\ 6/9 = 2\ 1/3$	$4\ 5/7$

**Page 53**

$6\ 1/5$	$1\ 9/11$
$5\ 5/7$	$4\ 6/8 = 4\ 3/4$
$5\ 1/3$	$6\ 1/4$
$2\ 4/8 = 2\ 1/2$	$2\ 3/5$
$2\ 3/6 = 2\ 1/2$	$4\ 1/4$
$1\ 4/9 = 1\ 2/3$	$5\ 2/3$
$5\ 1/2$	$1\ 5/7$
$3\ 2/10 = 3\ 1/5$	$1\ 3/6 = 1\ 1/2$
$3\ 5/6$	$3\ 1/4$
$7\ 4/5$	$1\ 4/5$
$4\ 1/4$	$1\ 3/10$
$2\ 2/3$	$3\ 1/2$

CC4A

**Page 54**

37/4	24/11
41/7	71/9
53/6	9/2
19/3	47/8
15/4	15/6
38/5	16/5
37/9	22/4

**Page 55**

13/5	39/12
32/7	15/8
17/3	9/4
51/8	17/5
17/6	13/2
28/9	26/3
15/2	40/7
39/10	11/6
33/6	15/4
14/5	23/5
35/4	28/10
29/3	15/2

**Page 56**

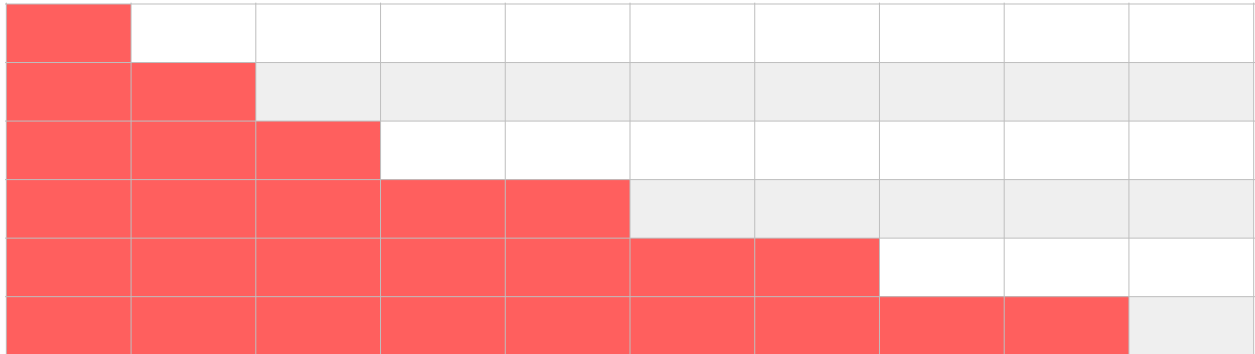
- |         |          |
|---------|----------|
| A. 19/9 | B. 84/9  |
| C. 6/4  | D. 47/7  |
| E. 31/9 | F. 37/5  |
| G. 28/5 | H. 26/12 |
| I. 17/2 | J. 51/5  |
| K. 28/6 | L. 19/5  |

CC4A

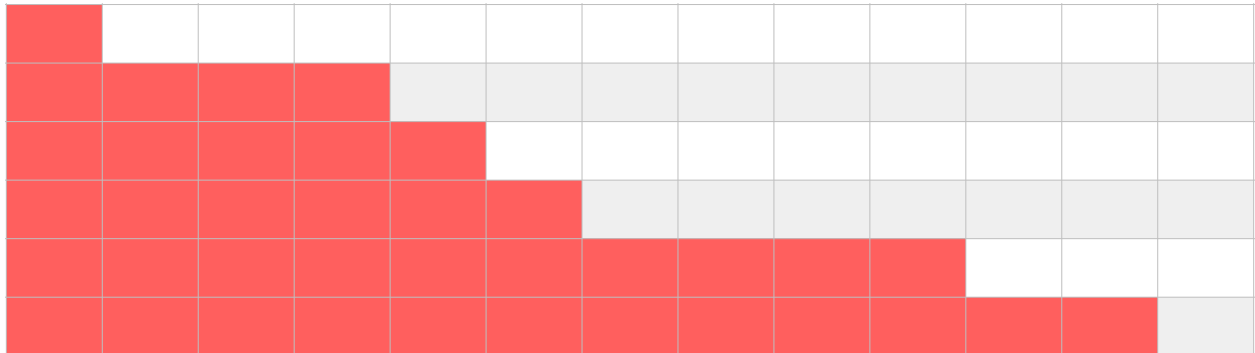
- A.  $8 \frac{3}{4}$
- B.  $4 \frac{2}{3}$
- C. 3
- D.  $5 \frac{1}{5}$
- E.  $8 \frac{1}{5}$
- F.  $1 \frac{2}{3}$
- G.  $2 \frac{2}{5}$
- H.  $5 \frac{1}{2}$
- I.  $15 \frac{1}{3}$
- J.  $6 \frac{4}{5}$
- K. 7
- L.  $7 \frac{1}{2}$

**Page 57**

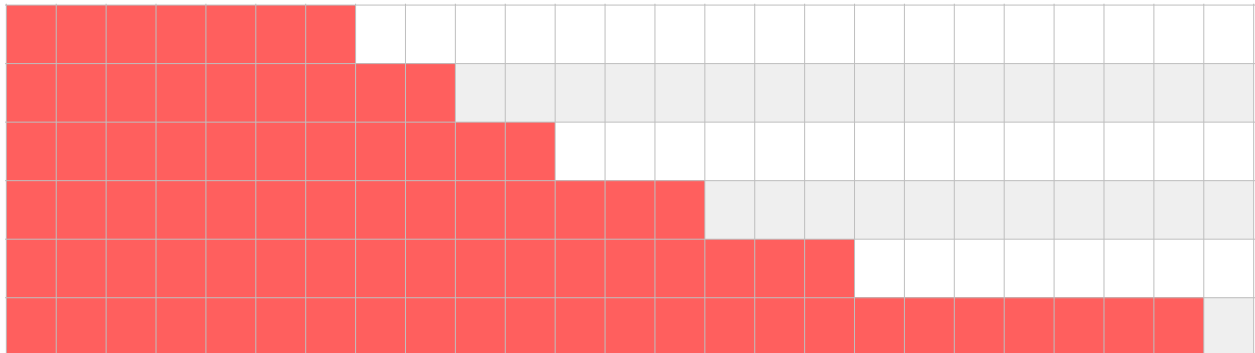
1/10, 2/10, 3/10, 5/10, 7/10, 9/10



1/13, 4/13, 5/13, 6/13, 10/13, 12/13

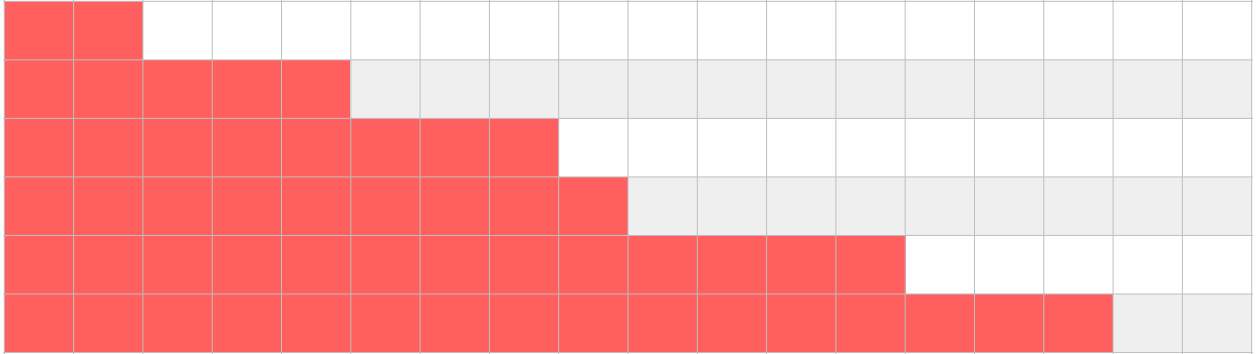


7/25, 9/25, 11/25, 14/25, 17/25, 24/25

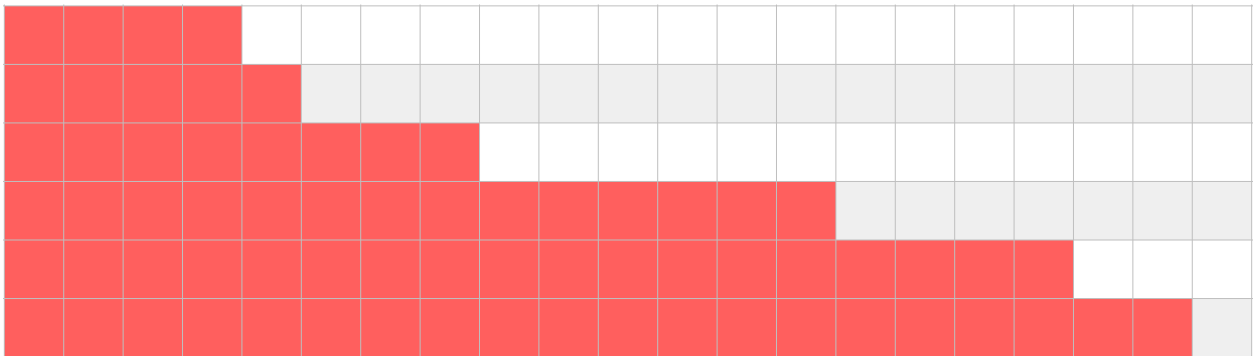


**Page 58**

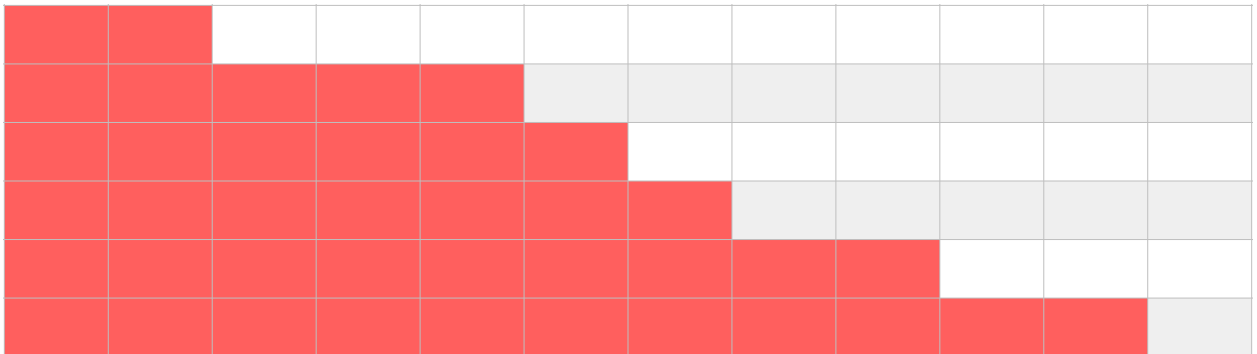
2/18, 5/18, 8/18, 9/18, 13/18, 16/18



4/21, 5/21, 8/21, 14/21, 18/21, 20/21



2/12, 5/12, 6/12, 7/12, 9/12, 11/12







## Page 63

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$4/5=4/5$	>
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## Page 64

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**Page 65**

- |                    |                     |
|--------------------|---------------------|
| 1. $\frac{5}{25}$  | 2. $\frac{6}{30}$   |
| 3. $\frac{6}{24}$  | 4. $\frac{6}{48}$   |
| 5. $\frac{12}{24}$ | 6. $\frac{9}{27}$   |
| 7. $\frac{9}{21}$  | 8. $\frac{20}{40}$  |
| 9. $\frac{4}{18}$  | 10. $\frac{20}{40}$ |

**Page 66**

- |                     |                     |
|---------------------|---------------------|
| 1. $\frac{10}{20}$  | 2. $\frac{6}{18}$   |
| 3. $\frac{8}{24}$   | 4. $\frac{2}{24}$   |
| 5. $\frac{15}{25}$  | 6. $\frac{3}{9}$    |
| 7. $\frac{8}{16}$   | 8. $\frac{12}{24}$  |
| 9. $\frac{12}{28}$  | 10. $\frac{20}{32}$ |
| 11. $\frac{49}{63}$ | 12. $\frac{12}{15}$ |

**Page 67**

- |                  |                   |
|------------------|-------------------|
| 1. $\frac{1}{3}$ | 2. $\frac{2}{3}$  |
| 3. $\frac{2}{4}$ | 4. $\frac{2}{4}$  |
| 5. $\frac{1}{5}$ | 6. $\frac{2}{7}$  |
| 7. $\frac{2}{3}$ | 8. $\frac{6}{9}$  |
| 9. $\frac{2}{5}$ | 10. $\frac{6}{7}$ |

**Page 68**

- |                   |                   |
|-------------------|-------------------|
| 1. $\frac{8}{4}$  | 2. $\frac{4}{5}$  |
| 3. $\frac{2}{3}$  | 4. $\frac{7}{8}$  |
| 5. $\frac{1}{3}$  | 6. $\frac{1}{2}$  |
| 7. $\frac{1}{6}$  | 8. $\frac{1}{3}$  |
| 9. $\frac{2}{8}$  | 10. $\frac{2}{6}$ |
| 11. $\frac{2}{3}$ | 12. $\frac{4}{8}$ |

**Page 69**

- |                   |                   |
|-------------------|-------------------|
| 1. $\frac{2}{5}$  | 2. $\frac{2}{5}$  |
| 3. $\frac{5}{7}$  | 4. $\frac{4}{7}$  |
| 5. $\frac{1}{3}$  | 6. $\frac{1}{3}$  |
| 7. $\frac{7}{8}$  | 8. $\frac{3}{10}$ |
| 9. $\frac{4}{6}$  | 10. $\frac{3}{4}$ |
| 11. $\frac{7}{8}$ | 12. $\frac{3}{4}$ |

**Page 70**

- A. < B. >  
C. = D. <  
E. > F. =

**Page 71**

<	<
<	>
equal	<
equal	>
equal	>

**Page 72**

Thirds

 $3/21$  divided by  $3/3$  is  $1/7$