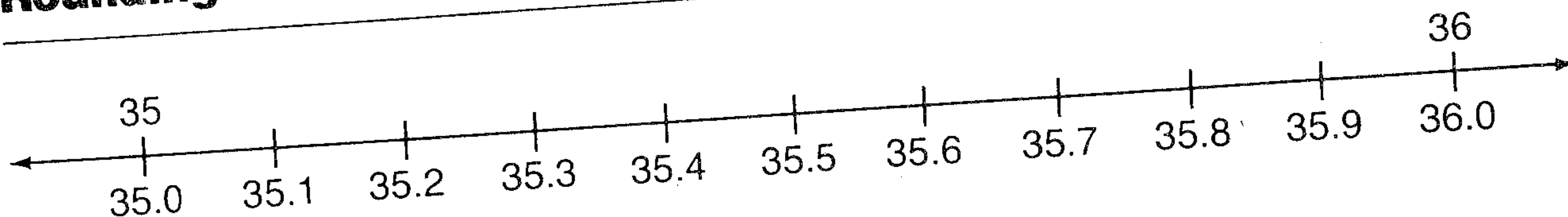


NAME _____

R73

5.1

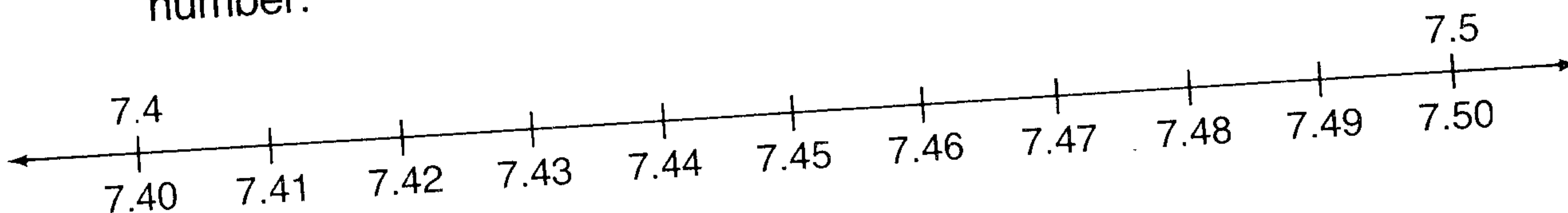
TAKE
ANOTHER
LOOK**Rounding Decimals**

- A. Round 35.6 to the nearest whole number.
The number 35.6 is closest to 36:

$35.6 \rightarrow 36$

- B. Round 35.5 to the nearest whole number.
The number 35.5 is halfway between 35 and 36. Round a number halfway between two numbers to the larger number:

$35.5 \rightarrow 36$



- C. Round 7.42 to the nearest tenth.
The number 7.42 is closest to 7.4:

$7.42 \rightarrow 7.4$

Round to the nearest whole number.

1. 24.8 _____

2. 13.4 _____

Round to the nearest hundredth.

3. 85.987 _____

4. 92.654 _____

5. 76.553 _____

Round to the nearest tenth.

6. 6.08 _____

7. 15.25 _____

8. 8.01 _____

9. 5.17 _____

10. 19.99 _____

11. 12.41 _____

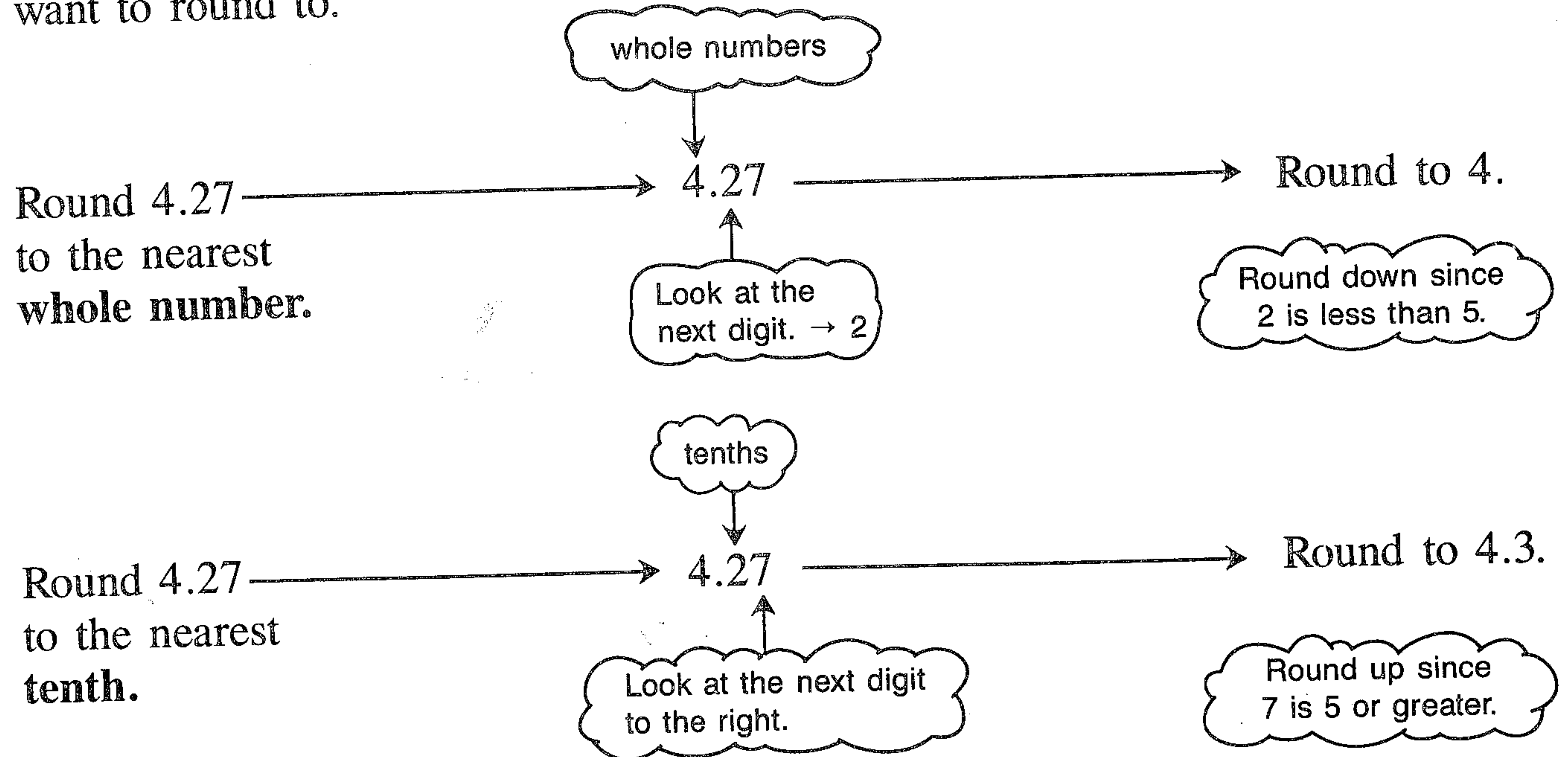
12. 3.52 _____

13. 3.55 _____

Name _____

Rounding Decimals

Look at the digit to the **right** of the place you want to round to.



Round to the nearest whole number.

Check here.

1. 6.2 _____

4. 19.81 _____

Check here.

2. 18.75 _____

5. 4.05 _____

Check here.

3. 0.63 _____

6. 9.54 _____

Round to the nearest tenth.

Check here.

7. 0.61 _____

10. 6.05 _____

Check here.

8. 0.26 _____

11. 9.01 _____

Check here.

9. 1.44 _____

12. 14.74 _____

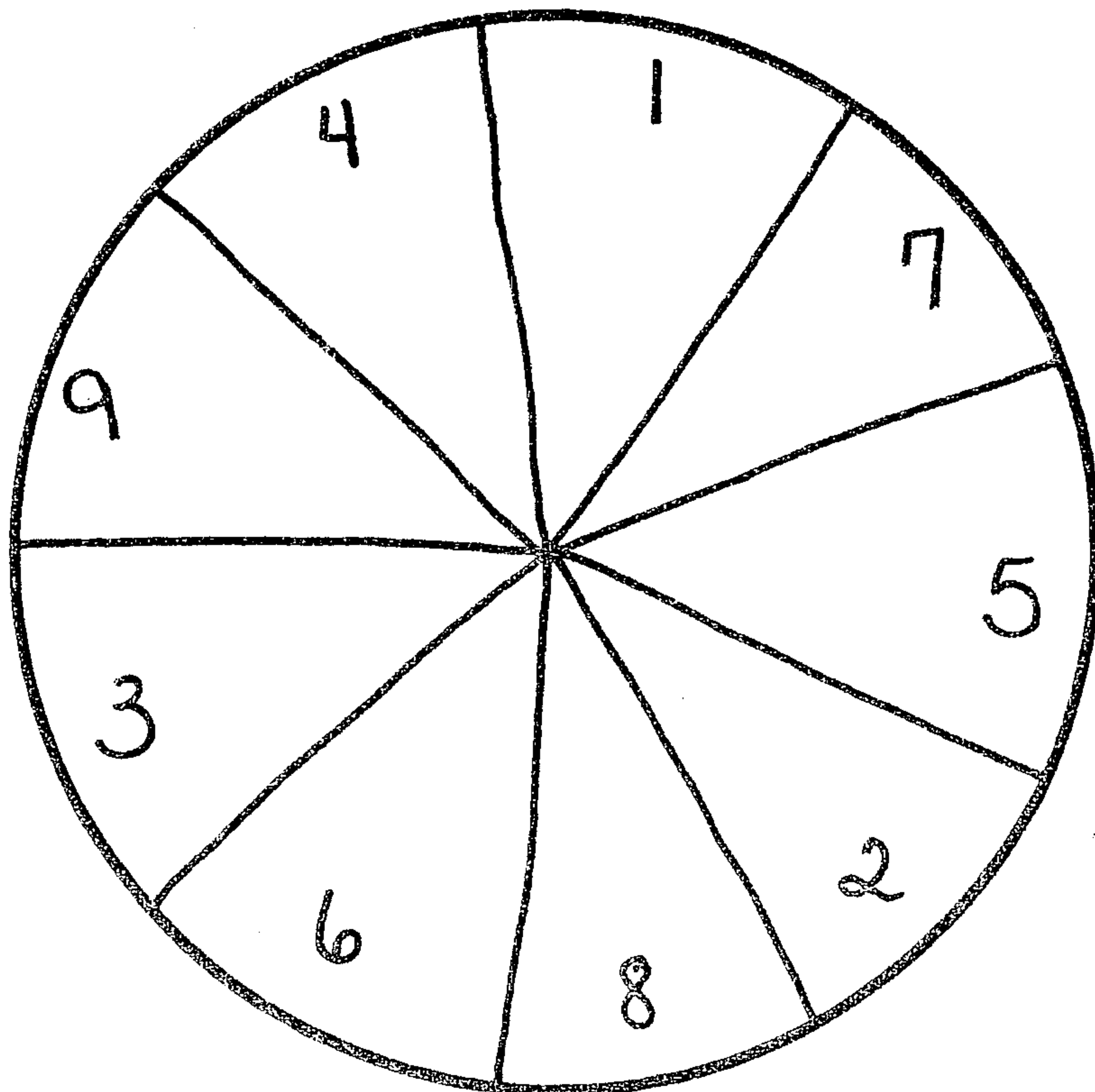
Round It Out

Materials: spinner
record sheet

Directions: 1. Spin the spinner to create a number according to the directions.
2. Write each number on your record sheet as you spin it.
3. Follow the directions to decide how to round the number you made.
4. Write the rounded number on your answer sheet.

Example: * adapt same concept to rounding decimals

number of digits	number made	round to the nearer ____	rounded number
3	247	ten	250



Name _____

Round It Out (record sheet)

number of digits	number made	round to the nearer ____	rounded number
2		ten	
2		ten	
2		ten	
3		ten	
3		hundred	
3		hundred	
4		thousand	
4		hundred	
4		hundred	
4		thousand	

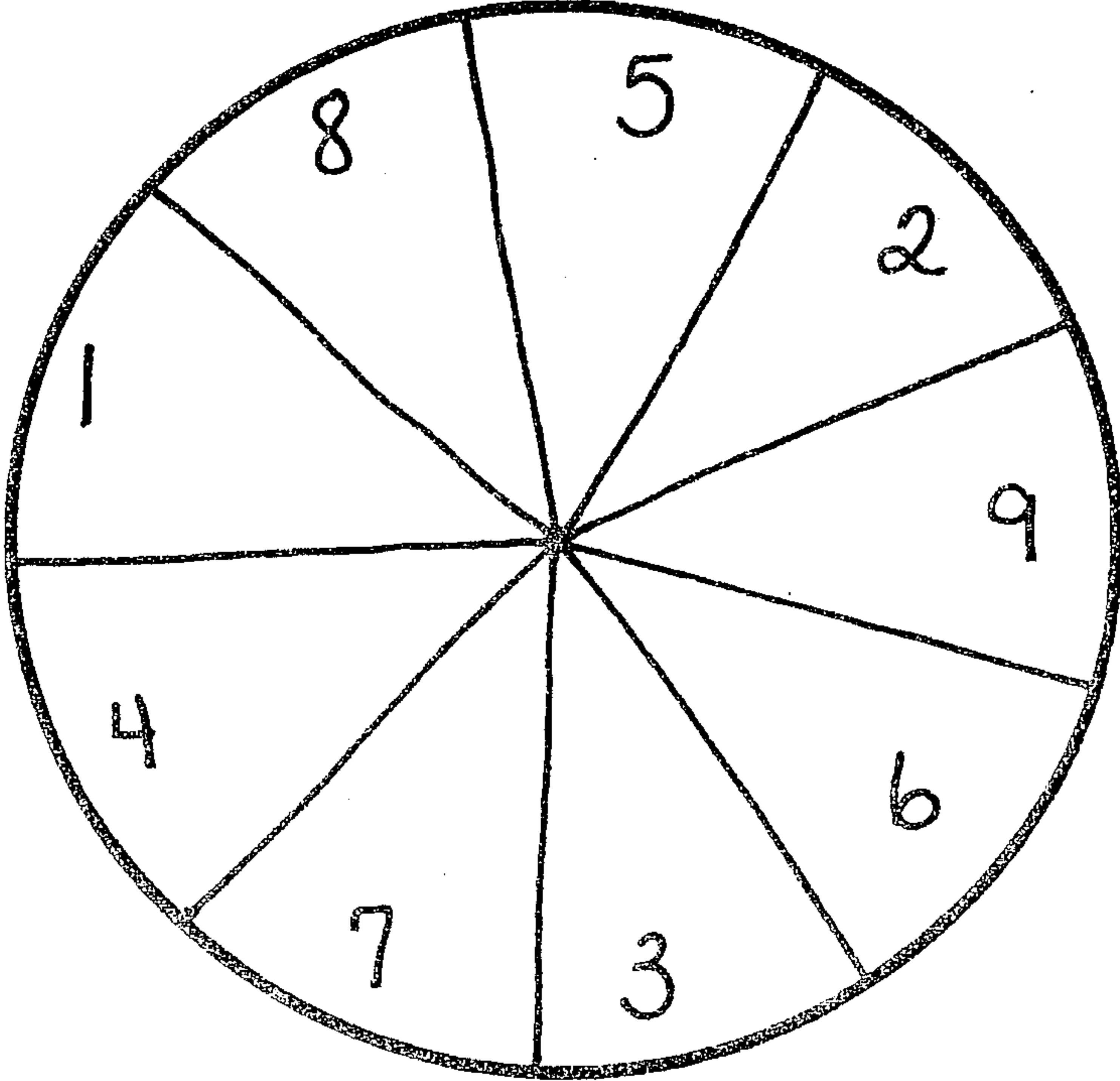
Wipe Out!

Materials: spinner and calculator
record sheet

- Directions:
1. Spin the spinner to create a 4, 5, or 6 digit number (according to the directions).
 2. Write the numbers you spin on your record sheet.
 3. Use the calculator to "wipe out" the place the directions tell you to replace it with a "0".
 4. Write the numbers you pressed on the calculator to wipe out the directed place.
 5. Write the new number displayed on the calculator on your record sheet.

Example: * Have the digits on the wheel to represent whole #'s as well as decimals to thousandths.

number of digits	number made	place to wipe out	keys pressed	new number
5	43,186	tens	- 80	43,1 <u>0</u> 6



Name _____

Wipe Out (record sheet)

number of digits	number made	place to wipe out	keys pressed	new number
4		ten thousandth		
4		tenth		
4		hundredth		
5		hundredth		
5		thousandth		
5		tenth		
5		hundredth		
6		thousandth		
6		hundredth		
6		ten thousandth		

Name _____

Wipe Out (record sheet)

number of digits	number made	place to wipe out	keys pressed	new number
4		hundreds		
4		tens		
4		hundreds		
5		hundreds		
5		thousands		
5		tens		
5		hundreds		
6		thousands		
6		hundreds		
6		ten thousands		

Rounding Decimals to Whole Numbers (A)

Round the decimal numbers below to the nearest whole number.

96.39

37.99

22.89

45.56

76.28

45.45

31.29

11.83

51.65

50.91

57.82

90.36

80.92

50.71

48.91

85.66

69.18

23.76

35.26

53.35

56.5

79.17

51.47

53.68

19.72

63.45

77

41.34

65.78

92.91

1.48

81.83

44.87

26.84

67.62

35.38

61.33

47.14

94.74

98.75

10.62

60.1

36.1

45.81

20.29

85.79

73.18

57.16

23.32

50.77

99.94

79.88

41.65

49.82

0.3

7.61

8.28

92.15

71.84

21.81

Rounding Decimals to Whole Numbers (A) Answers

Round the decimal numbers below to the nearest whole number.

96.39	96	37.99	38	22.89	23	45.56	46
76.28	76	45.45	45	31.29	31	11.83	12
51.65	52	50.91	51	57.82	58	90.36	90
80.92	81	50.71	51	48.91	49	85.66	86
69.18	69	23.76	24	35.26	35	53.35	53
56.5	57	79.17	79	51.47	51	53.68	54
19.72	20	63.45	63	77	77	41.34	41
65.78	66	92.91	93	1.48	1	81.83	82
44.87	45	26.84	27	67.62	68	35.38	35
61.33	61	47.14	47	94.74	95	98.75	99
10.62	11	60.1	60	36.1	36	45.81	46
20.29	20	85.79	86	73.18	73	57.16	57
23.32	23	50.77	51	99.94	100	79.88	80
41.65	42	49.82	50	0.3	0	7.61	8
8.28	8	92.15	92	71.84	72	21.81	22

Rounding Decimals to Tenths (A)

Round the decimal numbers below to the nearest tenth.

45.967

96.517

84.985

68.132

16.328

98.886

59.569

33.088

53.981

92.471

46.895

3.8

33.036

13.956

9.788

23.088

81.139

62.117

56.871

0.303

14.613

4.798

84.066

99.279

37.138

95.489

87.417

12.406

79.97

65.062

50.295

11.494

11.924

4.392

58.165

15.977

97.207

3.342

44.005

69.158

29.194

61.891

17.518

63.069

18.363

38.896

81.261

2.595

62.407

54.237

86.797

49.495

76.708

9.84

34.041

36.882

13.309

45.332

66.866

94.912

Rounding Decimals to Tenths (A) Answers

Round the decimal numbers below to the nearest tenth.

45.967	46	96.517	96.5	84.985	85	68.132	68.1
16.328	16.3	98.886	98.9	59.569	59.6	33.088	33.1
53.981	54	92.471	92.5	46.895	46.9	3.8	3.8
33.036	33	13.956	14	9.788	9.8	23.088	23.1
81.139	81.1	62.117	62.1	56.871	56.9	0.303	0.3
14.613	14.6	4.798	4.8	84.066	84.1	99.279	99.3
37.138	37.1	95.489	95.5	87.417	87.4	12.406	12.4
79.97	80	65.062	65.1	50.295	50.3	11.494	11.5
11.924	11.9	4.392	4.4	58.165	58.2	15.977	16
97.207	97.2	3.342	3.3	44.005	44	69.158	69.2
29.194	29.2	61.891	61.9	17.518	17.5	63.069	63.1
18.363	18.4	38.896	38.9	81.261	81.3	2.595	2.6
62.407	62.4	54.237	54.2	86.797	86.8	49.495	49.5
76.708	76.7	9.84	9.8	34.041	34	36.882	36.9
13.309	13.3	45.332	45.3	66.866	66.9	94.912	94.9

Rounding Decimals to Hundredths (B)

Round the decimal numbers below to the nearest hundredth.

7.929	_____	4.436	_____	6.291	_____	2.494	_____
5.908	_____	2.644	_____	7.369	_____	5.772	_____
5.694	_____	6.938	_____	5.972	_____	8.183	_____
5.775	_____	8.832	_____	1.628	_____	3.939	_____
0.122	_____	1.601	_____	3.971	_____	0.765	_____
0.677	_____	9.041	_____	7.706	_____	1.249	_____
4.567	_____	0.116	_____	9.942	_____	7.098	_____
2.571	_____	9.776	_____	8.944	_____	9.124	_____
0.426	_____	1.308	_____	8.383	_____	0.758	_____
9.523	_____	0.475	_____	6.126	_____	7.912	_____
8.573	_____	6.803	_____	1.646	_____	3.011	_____
2.774	_____	2.302	_____	1.109	_____	5.981	_____
2.069	_____	2.94	_____	4.193	_____	0.042	_____
5.056	_____	3.186	_____	1.711	_____	5.076	_____
0.091	_____	8.933	_____	8.102	_____	6.429	_____

Rounding Decimals to Hundredths (B) Answers

Round the decimal numbers below to the nearest hundredth.

7.929	<u>7.93</u>	4.436	<u>4.44</u>	6.291	<u>6.29</u>	2.494	<u>2.49</u>
5.908	<u>5.91</u>	2.644	<u>2.64</u>	7.369	<u>7.37</u>	5.772	<u>5.77</u>
5.694	<u>5.69</u>	6.938	<u>6.94</u>	5.972	<u>5.97</u>	8.183	<u>8.18</u>
5.775	<u>5.78</u>	8.832	<u>8.83</u>	1.628	<u>1.63</u>	3.939	<u>3.94</u>
0.122	<u>0.12</u>	1.601	<u>1.6</u>	3.971	<u>3.97</u>	0.765	<u>0.77</u>
0.677	<u>0.68</u>	9.041	<u>9.04</u>	7.706	<u>7.71</u>	1.249	<u>1.25</u>
4.567	<u>4.57</u>	0.116	<u>0.12</u>	9.942	<u>9.94</u>	7.098	<u>7.1</u>
2.571	<u>2.57</u>	9.776	<u>9.78</u>	8.944	<u>8.94</u>	9.124	<u>9.12</u>
0.426	<u>0.43</u>	1.308	<u>1.31</u>	8.383	<u>8.38</u>	0.758	<u>0.76</u>
9.523	<u>9.52</u>	0.475	<u>0.48</u>	6.126	<u>6.13</u>	7.912	<u>7.91</u>
8.573	<u>8.57</u>	6.803	<u>6.8</u>	1.646	<u>1.65</u>	3.011	<u>3.01</u>
2.774	<u>2.77</u>	2.302	<u>2.3</u>	1.109	<u>1.11</u>	5.981	<u>5.98</u>
2.069	<u>2.07</u>	2.94	<u>2.94</u>	4.193	<u>4.19</u>	0.042	<u>0.04</u>
5.056	<u>5.06</u>	3.186	<u>3.19</u>	1.711	<u>1.71</u>	5.076	<u>5.08</u>
0.091	<u>0.09</u>	8.933	<u>8.93</u>	8.102	<u>8.1</u>	6.429	<u>6.43</u>

Rounding Robin

Work:

- ✓ With a Group
- ☐ With a Partner
- ☐ On Your Own

What You'll Need:

- 2 sets of Number Cards 0–9
- 3-Column Chart

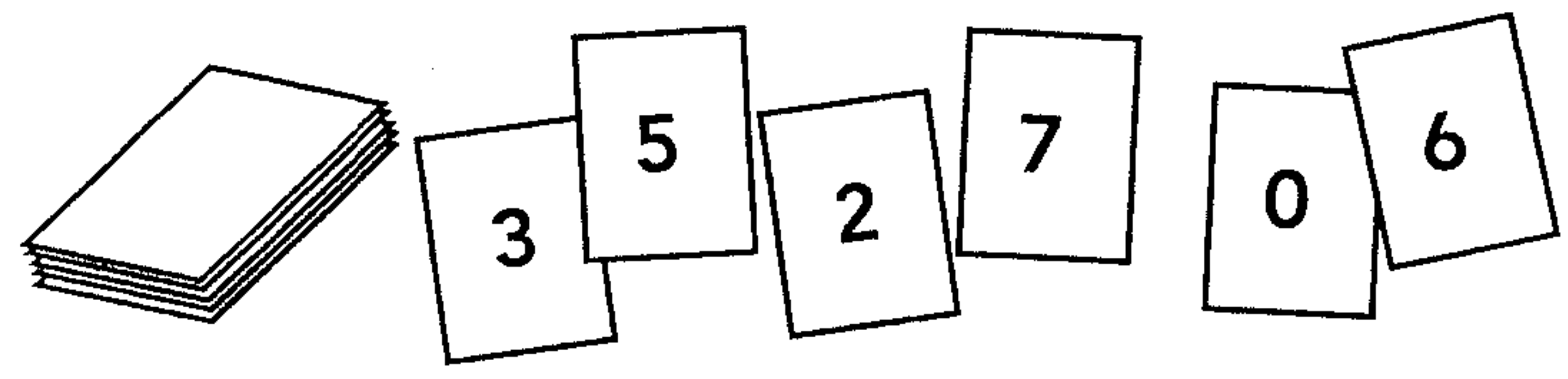
Getting Started

Mix the Number Cards and place them facedown in a pile.

On the 3-Column Chart, label the columns *Number*, *Rounded to the Nearest Ten Thousand*, and *Rounded to the Greatest Place*.

Here's How

1. The first player turns over 6 cards and forms a 6-digit number. Use the digits in the same order that you turn them over. Record this number in the *Number* column.



2. Player 2 rounds the number to the nearest ten thousand and records it in the *Rounded to the Nearest Ten Thousand* column.

3. The third player rounds the number to the greatest place and records it in the *Rounded to the Greatest Place* column.

Name: _____

Number	Rounded to the Nearest Ten Thousand	Rounded to the Greatest Place
352,706	350,000	400,000

4. Take turns picking six cards and repeating Steps 1–3. Continue until each player repeats Step 1 twice.

Try This!

Use the numbers in the first column of the chart. Order the numbers from greatest to least.