ROUNDING NUMBERS

What is rounding?

Rounding is deciding which ten, hundred or thousand a number is closest to.

STEPS FOR ROUNDING NUMBERS

1. Ask yourself…

What place am I rounding my number to?
Nearest Ten? Nearest Hundred? Nearest Thousand?

2. Think…

Which two tens, hundreds or thousands does my number fall between?

Examples:
32 falls between 30 and 40.
576 falls between 500 and 600.
7,492 falls between 7,000 and 8,000.

3. Look…

What is the digit just to the right of the place I am rounding to in my number?

Examples:
32 – Tens place is 3; to the right is 2.
576 – Hundreds place is 5; just to the right is 7.
7,492 – Thousands place is 7; just to the right is 4.

4. Decide…

*If the digit to the right is 0,1, 2, 3 or 4…the digit in the tens place stays the same and you add a zero to the end.
*If the digit to the right is 5, 6, 7, 8 or 9…add one to the tens place and then add a zero to the end.

ROUNDING NUMBERS

1. Ask yourself…

What place am I rounding my number to?

**I am trying to decide which multiple of ten, hundred or thousand my number is the closest to.

What is the Nearest Ten? Nearest Hundred? Nearest Thousand?

Examples:
*I want to round 32 to the nearest ten.
*I want to round 485 to the nearest hundred.
*I want to round 3,014 to the nearest thousand.

ROUNDING NUMBERS

2. Think…

Which two tens, hundreds or thousands does my number fall between?

*10-20-30-40-50-60-70-80-90-100

*100-200-300-400-500-600-700-800-900-1000

*1000-2000-3000-4000-5000-6000-7000-8000-9000-10,000

Examples:
*32 falls between 30 and 40. (30……40)

*576 falls between 500 and 600. (500……600)

*7,492 falls between 7,000 and 8,000.

(7,000……8,000)

ROUNDING NUMBERS

3. Look…

What is the digit JUST to the right of the place I am rounding to in my number?

Examples:

3<u>2</u> – *Rounding to the nearest ten;*
Tens place is 3; just to the right is 2.

<u>5</u>76 – *Rounding to the nearest hundred;*
Hundreds place is 5; just to the right is 7.

<u>7</u>,492 – *Rounding to the nearest thousand;*
Thousands place is 7; just to the right is 4.

ROUNDING NUMBERS

3. Decide…

**If the number to the right of the place you are rounding to is 0,1,2,3 or 4…the tens place stays the same and you add a zero to the end.

OR

**If the number to the right of the place you are rounding to is 5,6,7,8 or 9…you will add one to the digit in the tens place and then add a zero to the end.

Examples:
32 comes between 30 and 40. It rounds to 30 which means it is closer to 30.

576 comes between 500 and 600. It rounds to 600 which means it is closer to 600.

7,492 comes between 7,000 and 8,000. It rounds to 7,000 which means it is closer to 7,000.

Round each number to the nearest ten

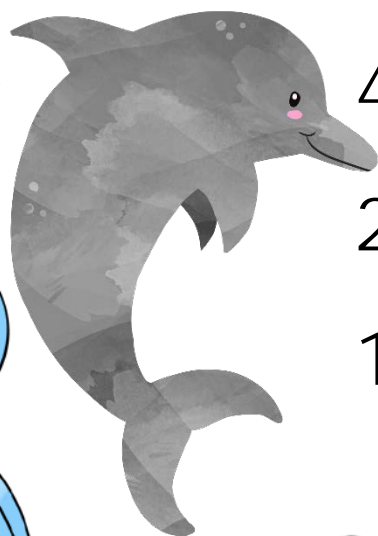43 rounds to ____

28 rounds to ____

81 rounds to ____

94 rounds to ____

49 rounds to ____
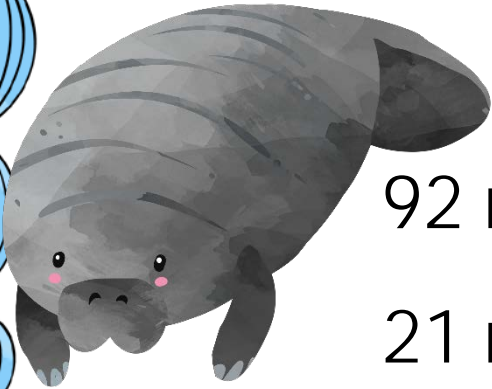
36 rounds to ____

79 rounds to ____

42 rounds to ____

25 rounds to ____

17 rounds to ____

Round each number to the nearest ten

92 rounds to ___

21 rounds to ___
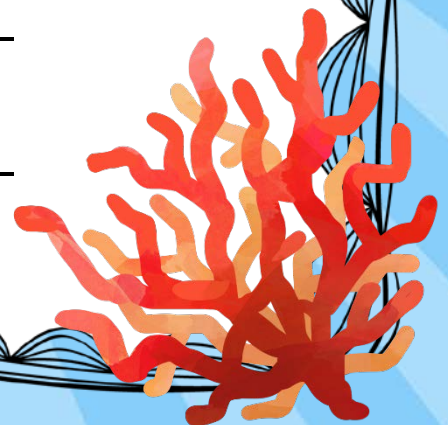
79 rounds to ___

87 rounds to ___

13 rounds to ___

68 rounds to ___

49 rounds to ___
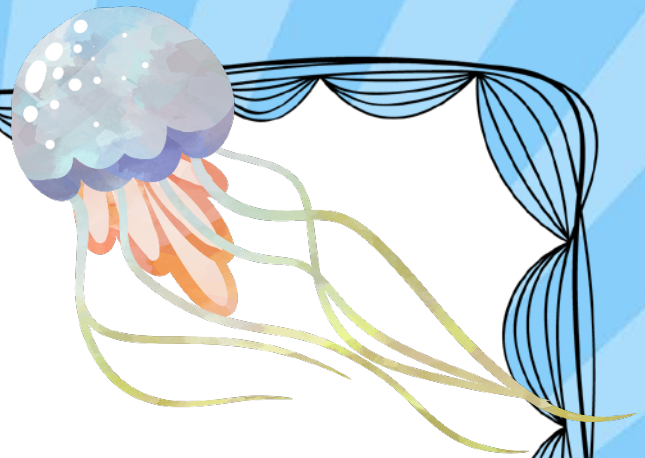
26 rounds to ___

34 rounds to ___

55 rounds to ___

Round each number to the nearest ten

329 rounds to ____

714 rounds to ____

731 rounds to ____

932 rounds to ____

280 rounds to ____

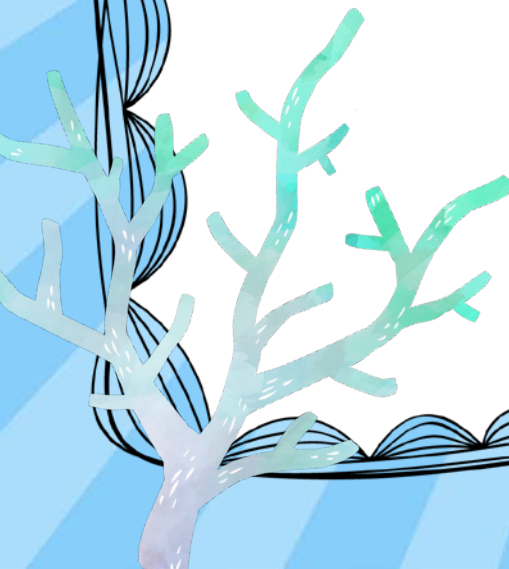944 rounds to ____

483 rounds to ____

165 rounds to ____

382 rounds to ____

779 rounds to ____

Round each number to the nearest hundred

386 rounds to _____

921 rounds to _____

604 rounds to _____

172 rounds to _____

593 rounds to _____
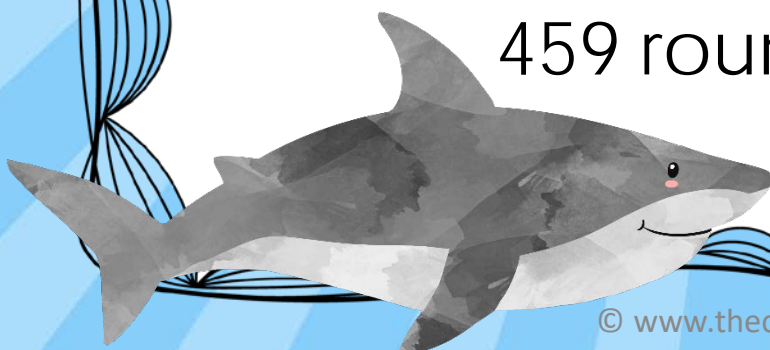
831 rounds to _____

975 rounds to _____

647 rounds to _____

288 rounds to _____

459 rounds to _____

Round each number to the nearest hundred

386 rounds to ____

921 rounds to ____

604 rounds to ____

172 rounds to ____

593 rounds to ____

831 rounds to ____
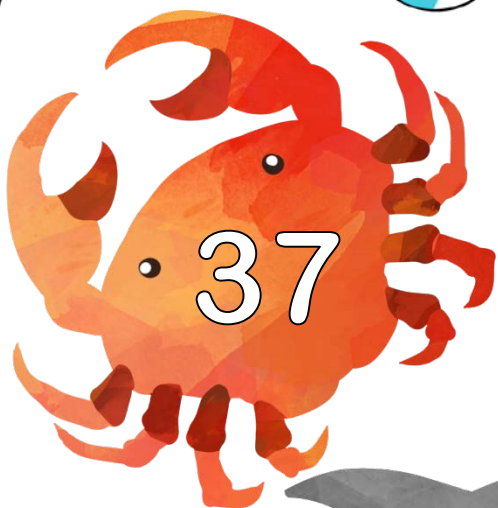
975 rounds to ____

647 rounds to ____

288 rounds to ____

459 rounds to ____

37

61

87

22

73

59

94

13

75

26

40

60

90

20

70

60

10

80

30

90
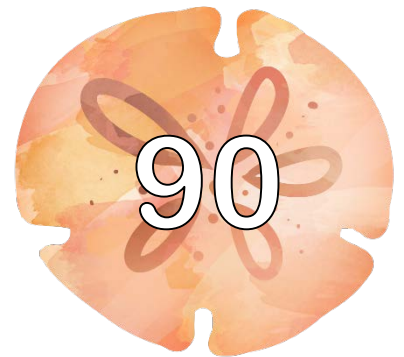
Directions: Round each number to the nearest 10. Place the correct shell on the sea animal.

283

861

159

425

527

746

318

799

912

574

300

900

200

500

400

600

700

300

500

900
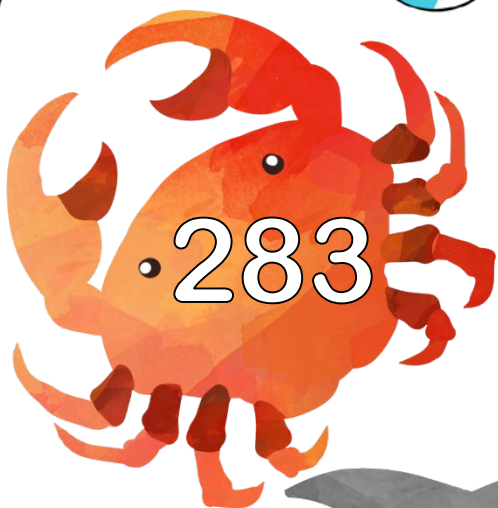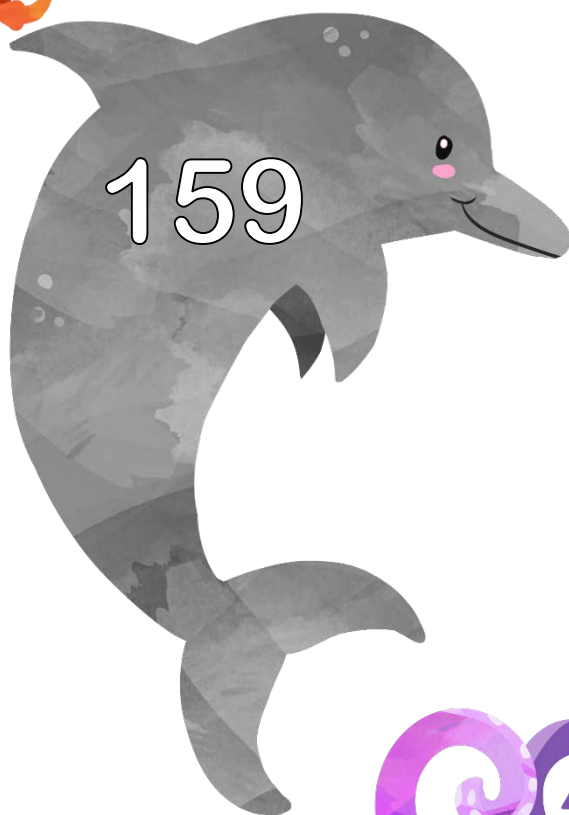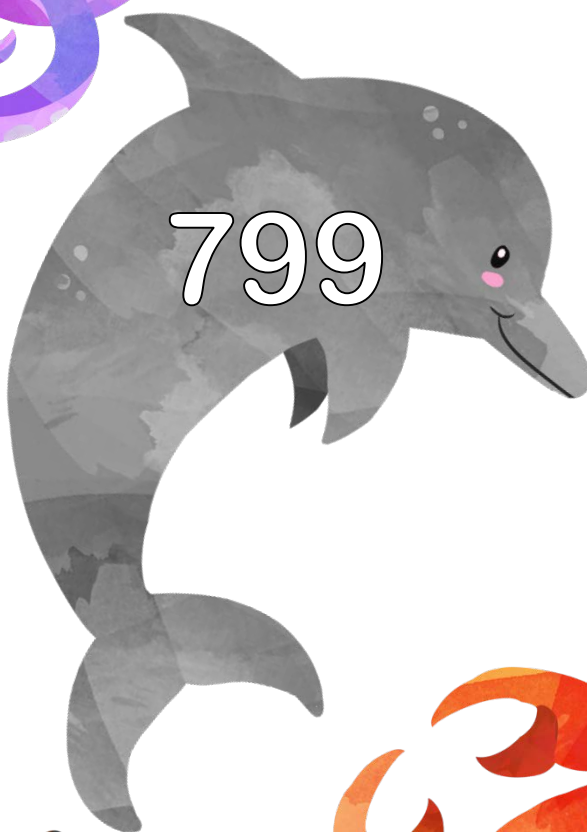
Directions: Round each number to the nearest 100. Place the correct shell on the sea animal.

Name: _____

Task Cards

1.	2.
3.	4.
5.	6.
7.	8.
9.	10.
11.	12.

Round 17 to the nearest ten.

Round 22 to the nearest ten.

Round 29 to the nearest ten.

Round 33 to the nearest ten.

Round 38 to the nearest ten.

Round 45 to the nearest ten.

Round 51 to the nearest ten.

Round 54 to the nearest ten.

Round 56 to the nearest ten.

Round 60 to the nearest ten.

Round 66 to the nearest ten.

Round 72 to the nearest ten.

Round 79 to the nearest ten.

Round 88 to the nearest ten.

Round 92 to the nearest ten.

Round 97 to the nearest ten.

Round 103 to the nearest hundred.

Round 179 to the nearest hundred.

Round 219 to the nearest hundred.

Round 284 to the nearest hundred.

Round 327 to the nearest hundred.

Round 399 to the nearest hundred.

Round 431 to the nearest hundred.

Round 460 to the nearest hundred.

Round 548 to the nearest hundred.

Round 555 to the nearest hundred.

Round 610 to the nearest hundred.

Round 682 to the nearest hundred.

Round 725 to the nearest hundred.

Round 773 to the nearest hundred.

Round 847 to the nearest hundred.

Round 891 to the nearest hundred.

Round 875 to the nearest thousand.

Round 1,267 to the nearest thousand.

Round 1,550 to the nearest thousand.

Round 1,018 to the nearest thousand.

Round 2,260 to the nearest thousand.

Round 2,806 to the nearest thousand.

Round 3,113 to the nearest thousand.

Round 3,639 to the nearest thousand.

Round 4,382 to the nearest thousand.

Round 4,991 to the nearest thousand.

Round 5,400 to the nearest thousand.

Round 5,712 to the nearest thousand.

Round 6,099 to the nearest thousand.

Round 7,165 to the nearest thousand.

Round 8,340 to the nearest thousand.

Round 9,777 to the nearest thousand.

Number Round-Up!

Directions:

1. Each player gets a game board and starts with 10 points.
2. On your turn draw a number card from the pile and write the number in the correct box on your own game board.
3. On either side of the number write the tens, hundreds or thousands that number falls between.
4. Round the number to the nearest TEN, HUNDRED or THOUSAND and write the answer on your board.
5. If you round up, add 1 to your previous score.
6. If you round down, subtract 1 from your previous score.
7. The winner is the player who has the highest score after ten turns.
8. Something to think about: What will you do if you draw a multiple of ten, hundred or thousand?

EXAMPLE:

Ten, Hundred or Thousand	The number I drew was...	Ten, Hundred or Thousand	My number rounds up or down?	My Score (Start with 10 points)
40	47	50	up	11
80	82	90	down	10
20	29	30	up	11

Name _____

Number Round-Up!

Ten, Hundred or Thousand	The number I drew was…	Ten, Hundred or Thousand	My number rounds up or down?	My Score (Start with 10 points)

1	**3**	**4**
5	**7**	**10**
11	**12**	**14**
16	**18**	**19**

22	**24**	**25**
26	**27**	**28**
31	**33**	**34**
37	**38**	**39**

40	**44**	**45**
46	**48**	**49**
53	**54**	**55**
57	**58**	**59**

60	62	64
67	68	69
71	72	75
77	78	79

81	83	84
85	87	89
90	92	94
96	97	98

101	**103**	**104**
105	**107**	**110**
111	**112**	**114**
116	**118**	**119**

122	124	125
126	127	128
131	133	134
137	138	139

140	144	145
146	148	149
153	154	155
157	158	159

160	162	164
167	168	169
171	172	175
177	178	179

181	183	184
185	187	189
190	192	194
196	197	198

1001	**1003**	**1004**
1005	**1007**	**1010**
1011	**1012**	**1014**
1016	**1018**	**1019**

1022	1024	1025
1026	1027	1028
1031	1033	1034
1037	1038	1039

1040	1044	1045
1046	1048	1049
1053	1054	1055
1057	1058	1059

1060	1062	1064
1067	1068	1069
1071	1072	1075
1077	1078	1079

1081	1083	1084
1085	1087	1089
1090	1092	1094
1096	1097	1098

Name _____

Rounding Review
Round to the nearest 10

Look at the digit in the ones place (circle this digit)
Look at the digit in the tens place (underline this digit)
0 to 4 means tens place stays the same
5 to 9 means you add one to the tens place
After you round, the number always ends in zero!

26 rounds to:	**32 rounds to:**	**64 rounds to:**
47 rounds to:	**51 rounds to:**	**75 rounds to:**
42 rounds to:	**83 rounds to:**	**88 rounds to:**

Name _____

Rounding Review
Round to the nearest 10

Look at the digit in the ones place (circle this digit)
Look at the digit in the tens place (underline this digit)
0 to 4 means tens place stays the same
5 to 9 means you add one to the tens place
After you round, the number always ends in zero!

42 rounds to:	38 rounds to:	51 rounds to:
63 rounds to:	49 rounds to:	27 rounds to:
75 rounds to:	16 rounds to:	83 rounds to:

Name _____

Rounding Review
Round to the nearest 100

Look at the digit in the ones place (circle this digit)
Look at the digit in the tens place (underline this digit)
0 to 4 means hundreds place stays the same
5 to 9 means you add one to the hundreds place
After you round, the next two digits will be zero!

734 rounds to:	**207 rounds to:**	**318 rounds to:**
859 rounds to:	**467 rounds to:**	**142 rounds to:**
974 rounds to:	**371 rounds to:**	**536 rounds to:**

Name _____

Rounding Review
Round to the nearest 100

Look at the digit in the ones place (circle this digit)
Look at the digit in the tens place (underline this digit)
0 to 4 means hundreds place stays the same
5 to 9 means you add one to the hundreds place
After you round, the next two digits will be zero!

275 rounds to:	**388 rounds to:**	**908 rounds to:**
648 rounds to:	**342 rounds to:**	**750 rounds to:**
856 rounds to:	**461 rounds to:**	**527 rounds to:**