Date: _____

W.S (2.E.1) – Round Numbers to the Nearest 10 and 100

**Objective**: Round 2-digit and 3-digit numbers to the nearest 10 or 100.

Rounding means making a number simpler – but keeping it close to the original!

When rounding to the nearest 10, we look at the digit in the ones place to help us decide whether to round up or to round down.

Weak Numbers
0
1
2
3
4

Strong Numbers
5
6
7
8
9
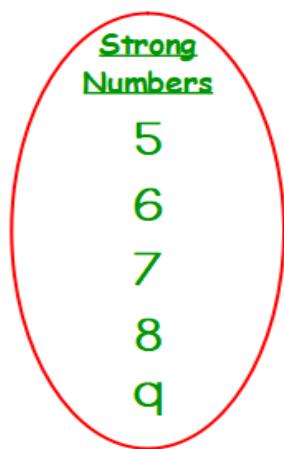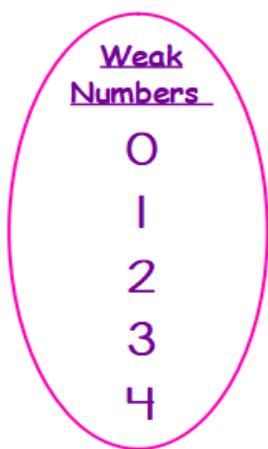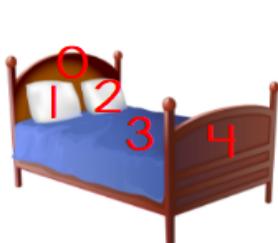
4 or less? Let it rest!
5 or more? Raise the score!

21, 22, 23 and 24 are closer to 20 than to 30.

25, 26, 27, 28 and 29 are closer to 30 than to 20.
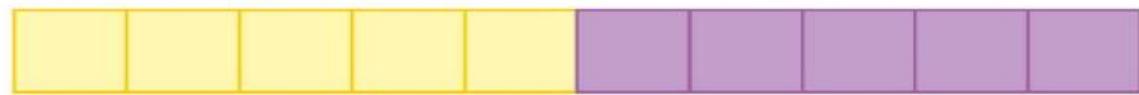
20   21   22   23   24   25   26   27   28   29   30

ones digit 4 or less
round down

ones digit 5 or more
round up

Q1. Look at the number line. Fill in the blanks with the **two tens** that the number is in between.

a)

```
|    |    |    |    |    |    |    |    |    |    |
80   81   82   83   84   85   86   87   88   89   90
```
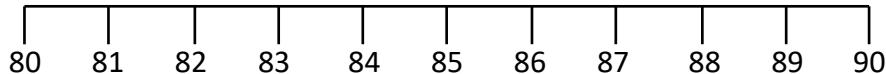
i)   82 is between _____ and _____.

It is closer to 80 than _____.

82 rounded to the nearest 10 is _____.

ii)   88 is between _____ and _____.

It is closer to _____ than _____.

88 rounded to the nearest 10 is _____.

iii)   85 is halfway between _____ and _____.

85 rounded to the nearest 10 is _____.

b)

```
|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
40          45          50          55          60
```
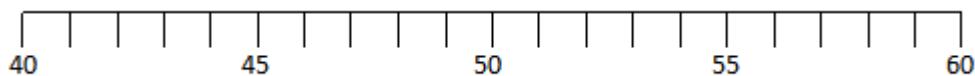
i)   41 is between 40 and 50.

It is closer to _____ than _____.

41 rounded to the nearest 10 is _____.

ii)   52 is between 50 and _____.

It is closer to _____ than _____.

52 rounded to the nearest 10 is _____.

iii) 49 is between _____ and _____.

It is closer to _____ than _____.

49 rounded to the nearest 10 is _____.

Q2. Study the number line below and fill in the blanks.
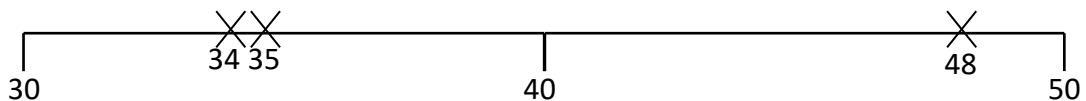
a) 34 rounded to the nearest 10 is _____.

b) 35 rounded to the nearest 10 is _____.

c) 48 rounded to the nearest 10 is _____.

Q3. Round each number to the nearest 10.

7 _____	72 _____	77 _____
15 _____	40 _____	4 _____
91 _____	89 _____	9 _____
5 _____	26 _____	63 _____

Q4. Circle the number(s) that rounds to the number in the box when rounded to the nearest ten.

| 70 |

79   75   71   81   55   65   74

| 50 |

51   42   45   57   48   55   81

Q5. Fill in the blanks. Use the number line to help you.

a) The whole numbers that <u>round down</u> to **20** are

_____, _____, _____ & _____.

The whole numbers that <u>round up</u> to **20** are

_____, _____, _____, _____ & _____.


20
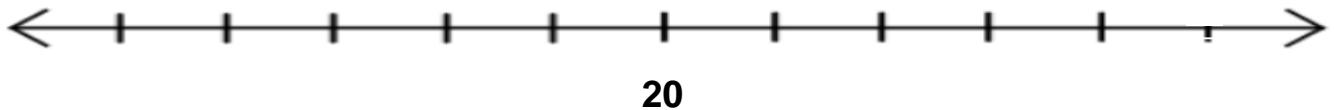
b) The whole numbers that <u>round down</u> to **50** are

_____, _____, _____ & _____.

The whole numbers that <u>round up</u> to **50**

_____, _____, _____, _____ & _____.
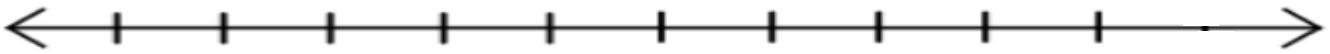

c) The whole numbers that round to 50 are:

_____

ROUNDING NUMBERS

WHAT'S THE RULE?

9
8
7
6
5

ROUND
THE
NUMBER
UP

4
3
2
1

ROUND
THE
NUMBER
DOWN
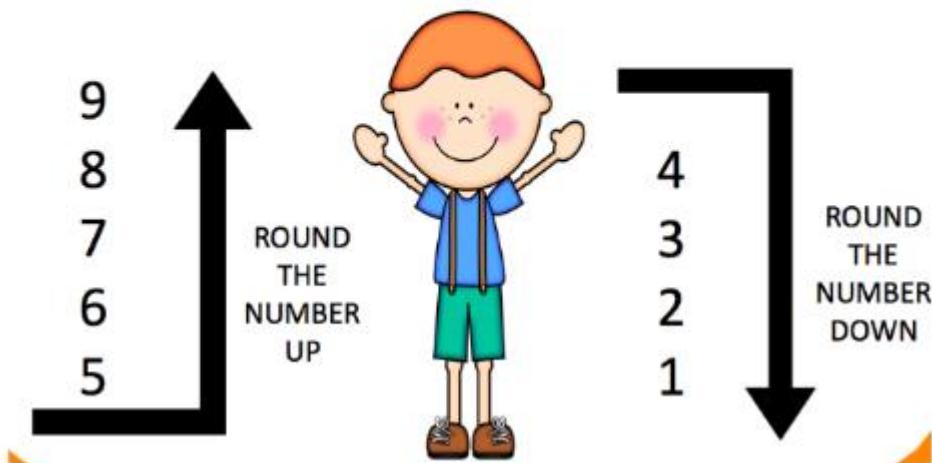
Q6. Fill in the blanks.

a) Round 252 to the nearest 10.

252

250   260
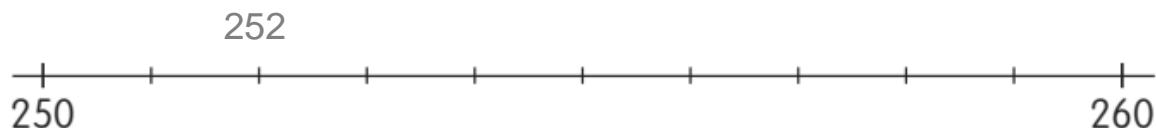
252 is between _____ and _____.

252 is closer to _____ than _____.

252 when rounded to the nearest 10 is _____.

b) Round 468 to the nearest 10.

468

460   470
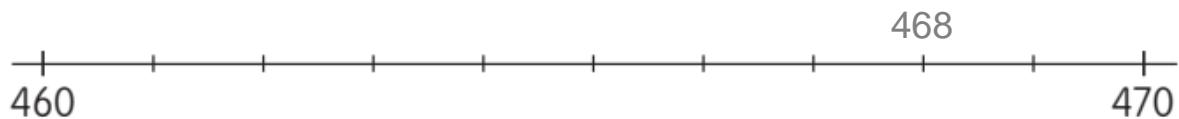
468 is between _____ and _____.

468 is closer to _____ than _____.

468 when rounded to the nearest 10 is _____.

When rounding a whole number to the nearest 100, we look at the digit in the tens place to help us decide whether to round up or to round down.

c) Round 622 to the nearest 100.

622

```
+----+----X----+----+----+----+----+----+----+----+
600                                              700
```
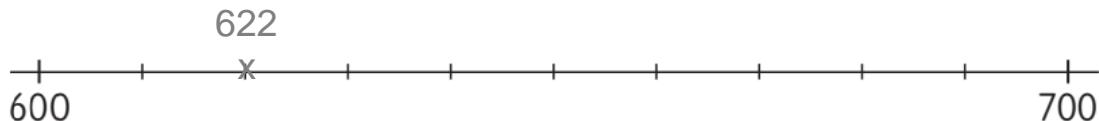
622 is between _____ and _____.

622 is closer to _____ than _____.

622 when rounded to the nearest 100 is _____.

d) Round 279 to the nearest 100.

279

```
+----+----+----+----+----+----+----+----X--+----+
200                                            300
```
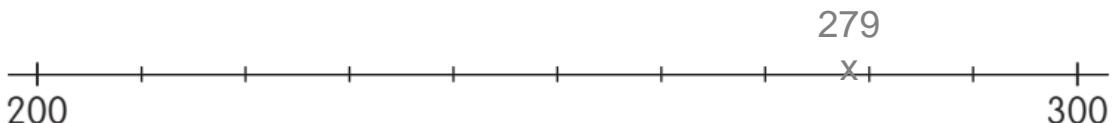
279 is between _____ and _____.

279 is nearer to _____ than _____.

279 when rounded to the nearest 100 is _____.

e) Round 850 to the nearest 100.

850

```
+----+----+----+----+----+----+----+----+----+
800                                          900
```
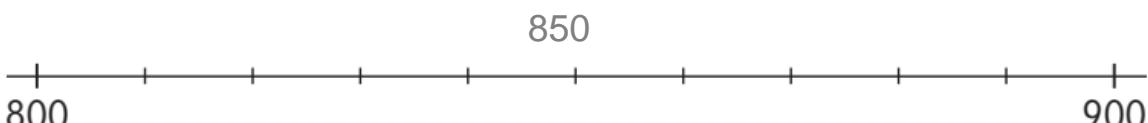
850 is exactly halfway between _____ and _____.

850 when rounded to the nearest 100 is _____.

Q7. Round each number to the nearest 10.

313 _____   654   _____

288 _____   555   _____

Q8. Round each number to the nearest 100.

623_____   800   _____

349 _____   650   _____

Q9. There are 552 people at an exhibition.

a) Round the number of people to the nearest 100._____

b) Yanni says that the answer will be the same if it is rounded to the nearest 10. Is she correct? Explain your answer.

_____

_____

Q10. Mary checked her savings and rounded the amount to the nearest 10. She got a value of $940.

Her actual savings is <u>less than</u> the rounded amount.
What are all the possible values for her savings?

_____

Q11. Use the number line to round the numbers to the <u>nearest 10</u>.

a) 607 _____

600 |++++++++++| 610

b) 613 _____

610 |++++++++++| 620
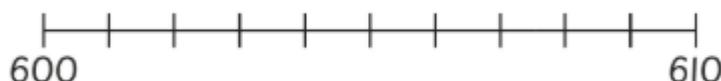
Can you round the numbers to the nearest 100?

Q12. a) Round 645 to the nearest 10. _____

Round 645 to the nearest 100. _____

b) Round 95 to the nearest 10. _____

Round 95 to the nearest 100. _____

Q13. Use the number line to decide if you should round the numbers up or down to the **nearest 100.**

Circle the correct answer.

a) 550 Round up / Round down

b) 512 Round up / Round down

500   600   700

c) 666 Round up / Round down

d) 649 Round up / Round down

e) 651 Round up / Round down
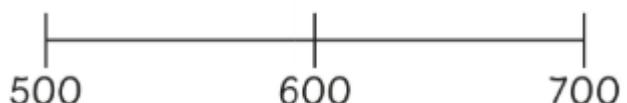
Q14. Ms. Lee drives from her house to the library and then to the park.

```
            35 km                      128 km
House ──────────── Library ──────────────────── Park
```

Round each distance Ms. Lee travels to the nearest 10.

From house to library: _____ km

From library to Park: _____ km

Q15. Study the rounding hill below.

Round the balls to the nearest 100.

Fill in the table with the correct numbers.

550 659 464 612 572 523 738

Rounding Hill
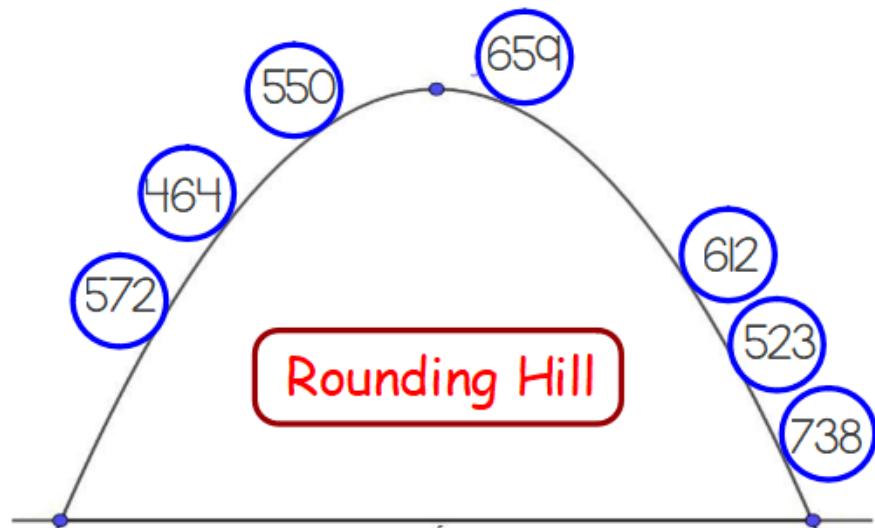
500   **600**   **700**

_____   _____   _____

_____   _____   _____

_____   _____   _____

Q16. Use the **Venn diagram** to sort the following numbers.

146, 150, 200, 143, 100, 90, 120

Each circle shows a group

Numbers that round to **150** when rounded to the **nearest 10**

Numbers that round to **100** when rounded to the **nearest 100**

When a number is in one circle, it belongs to one group

When a number is in here, it belongs to both groups