AIR FORCE SCHOOL BAGDOGRA

CLASS - V
TOPIC – THE FISH TALE
SUBJECT – MATHS

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ROUNDING NUMBERS

Rules for Rounding

Rounding numbers to the nearest 10.

Here's the general rule for rounding:
If the number you are rounding is followed by 5, 6, 7, 8, or 9, round the number up. Example: 38 rounded to the nearest ten is 40.

If the number you are rounding is followed by 0, 1, 2, 3, or 4, round the number down. Example: 33 rounded to the nearest ten is 30.

4,827 rounded to the nearest ten is 4,830.

34 rounded to the nearest ten is 30.

1,346 rounded to the nearest ten is 1,350.

2,388 rounded to the nearest ten is 2,390.

1,014 rounded to the nearest ten is 1,010.

92,407 rounded to the nearest ten is 92,410.

11,003 rounded to the nearest ten is 11,000.

649 rounded to the nearest ten is 650.

2,364 rounded to the nearest ten is 2,360.

168 rounded to the nearest ten is 170.

Rounding numbers to the nearest 100.

When rounding to the **nearest hundred**, look at the **TENS DIGIT** of the number.
If that digit is 0, 1, 2, 3, or 4, you will round down to the previous hundred.

If that digit is 5, 6, 7, 8, or 9, you will round up to the next hundred.

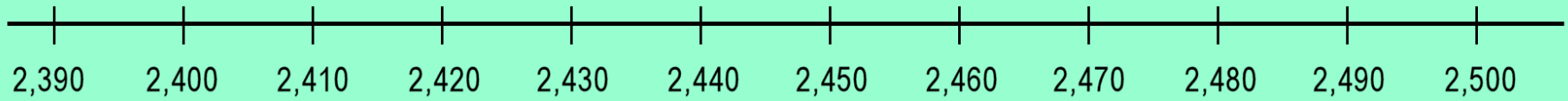7**2**8 = ? The tens digit is 2, so round down:
 728 = 700
Notice: the hundreds digit **does not change.**

4**7**1 = ?   The tens digit is 7, so round up:
471 = 500
Notice: the hundreds digit **increases by one**, from 4 to 5.

Whether you round up or down, the tens and ones digits change to zeros.

| 2,390 | 2,400 | 2,410 | 2,420 | 2,430 | 2,440 | 2,450 | 2,460 | 2,470 | 2,480 | 2,490 | 2,500 |

Things work similarly on this number line when rounding <u>to the nearest hundred</u>:
• Numbers up to 2,450 (the middle number) are rounded down to 2,400.
• Numbers after 2,450 are rounded up to 2,500.
• And the "middle number" 2,450, is rounded up.

416 rounded to the nearest hundred is 400.
837 rounded to the nearest hundred is 800.
960 rounded to the nearest hundred is 1,000.
147 rounded to the nearest hundred is 100.
2,412 rounded to the nearest hundred is 2,000.
8,245 rounded to the nearest hundred is 8,000.
9,562 rounded to the nearest hundred is 10,000.
3,501 rounded to the nearest hundred is 4,000.
4,945 rounded to the nearest hundred is 5,000.
2,932 rounded to the nearest hundred is 3,000.

Rounding numbers to the nearest 1000

A large number may be rounded off to the nearest 1000, 10000 and more.

1. While rounding off to the nearest thousand, if the digit in the hundreds place is between 0 – 4 i.e. (less than)< 5, then the hundreds place is replaced by '0'.

2. If the digit in the hundreds place is = to or (greater than) > 5, then the hundreds place is replaced by '0' and the thousands place is increased by 1.

Examples on rounding off to the nearest thousand (1000):
(i) 3846 → 4000
We see the digit in the hundred's place is 8, we round to the nearest multiple of thousand which is greater than the number. Hence, 3846 is nearer to 4000 than 3000

2,364 rounded to the nearest thousand is 2,000.

9,846 rounded to the nearest thousand is 10,000.

4,096 rounded to the nearest thousand is 4,000.

35,502 rounded to the nearest thousand is 36,000.

97,764 rounded to the nearest thousand is 98,000.

5,324 rounded to the nearest thousand is 5,000.

2,625 rounded to the nearest thousand is 3,000.

7,750 rounded to the nearest thousand is 8,000.

1,143 rounded to the nearest thousand is 1,000.

6,850 rounded to the nearest thousand is 7,000.

Link for video:-

 https://youtu.be/k6G-MBQQ_co

THANK YOU

WORKSHEET - 1

Round the numbers as directed:-

1) 95 to the nearest 10.
2) 73 to the nearest 10.
3) 267 to the nearest 10.
4) 1839 to the nearest 10.
5) 881 to the nearest 10.
6) 345 to the nearest 100.
7) 5382 to the nearest 100.
8) 284 to the nearest 100.
9) 1010 to the nearest 100.
10) 619 to the nearest 100.
11) 6025 to the nearest 1000.
12) 4389 to the nearest 1000.
13) 1599 to the nearest 1000.
14) 4720 to the nearest 1000.
15) 8467 to the nearest 1000.