

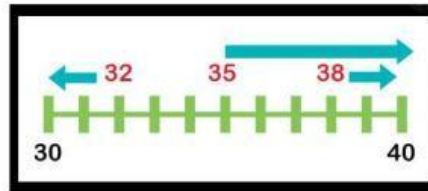
Rounding to the nearest 10, 100, 1000

remember the place values TTh Th H T U

when rounding to the nearest 10 check the units digit

if it is 1, 2, 3 or 4 keep the tens digit the same and replace the units digit with a zero

if it is 5, 6, 7, 8 or 9 add one to the tens digit and replace the units digit with a zero



32 is closer to 30 and 38 is closer to 40

Although 35 is exactly halfway between 30 and 40 we round it up to 40 when rounding to the nearest 10.

Exercise 1

Round off these numbers to the nearest 10.

- | | | | |
|--------|---------|---------|---------|
| 1) 73 | 2) 87 | 3) 142 | 4) 251 |
| 5) 175 | 6) 174 | 7) 352 | 8) 547 |
| 9) 683 | 10) 756 | 11) 876 | 12) 947 |

Answers

Exercise 2

Round off each of these numbers in the way indicated in the brackets.

- | | |
|--------------------|----------------|
| 1) 27 (nearest 10) | 2) 4900 (1000) |
| 3) 614 (100) | 4) 3100 (1000) |
| 5) 347 (100) | 6) 172 (10) |
| 7) 475 (10) | 8) 143 (10) |
| 9) 6741 (1000) | 10) 851 (100) |
| 11) 5422 (1000) | 12) 1370 (100) |

Answers

- | | |
|-----------------|-------------------|
| 13) 6482 (1000) | 14) 97 (10) |
| 15) 3422 (100) | 16) 1251 (100) |
| 17) 8742 (1000) | 18) 5472 (1000) |
| 19) 186 (10) | 20) 17,694 (1000) |
| 21) 351 (10) | 22) 36,421 (1000) |
| 23) 5976 (100) | 24) 4392 (1000) |

Answers

Extension

Estimate the answer to these sums by rounding to the nearest 10 first

- | | | | | |
|--------------------|---------------------|-----------------|-----------------|-----------------|
| 1) $86 \times 7 =$ | 2) $42 \times 13 =$ | 3) $325 + 37 =$ | 4) $638 - 76 =$ | 5) $423 \div 9$ |
|--------------------|---------------------|-----------------|-----------------|-----------------|

Estimate the answer to these sums by rounding 'sensibly' first

- | | | | |
|----------------------|----------------------|----------------------|--------------------|
| 1) $2143 \times 8 =$ | 2) $425 \times 15 =$ | 3) $32541 + 36894 =$ | 4) $8469 - 6235 =$ |
|----------------------|----------------------|----------------------|--------------------|

