

# Rounding

Videos 277a, 277b on Corbettmaths

Examples

Workout



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Question 1: Round the following numbers to the nearest 10

- |        |        |        |        |
|--------|--------|--------|--------|
| (a) 32 | (b) 67 | (c) 71 | (d) 24 |
| (e) 59 | (f) 92 | (g) 16 | (h) 83 |
| (i) 17 | (j) 14 | (k) 78 | (l) 43 |
| (m) 84 | (n) 27 | (o) 25 | (p) 41 |
| (q) 75 | (r) 33 | (s) 95 | (t) 98 |
| (u) 19 | (v) 99 | (w) 62 | (x) 54 |
| (y) 15 | (z) 74 |        |        |

Question 2: Round the following numbers to the nearest 10

- |           |           |          |          |
|-----------|-----------|----------|----------|
| (a) 121   | (b) 146   | (c) 164  | (d) 185  |
| (e) 292   | (f) 238   | (g) 312  | (h) 333  |
| (i) 845   | (j) 582   | (k) 233  | (l) 167  |
| (m) 596   | (n) 705   | (o) 502  | (p) 993  |
| (q) 998   | (r) 1241  | (s) 1628 | (t) 1164 |
| (u) 2673  | (v) 6036  | (w) 7555 | (x) 8128 |
| (y) 13821 | (z) 29234 |          |          |

Question 3: Round the following numbers to the nearest 10

- |            |             |            |             |
|------------|-------------|------------|-------------|
| (a) 24.2   | (b) 61.9    | (c) 76.8   | (d) 26.4    |
| (e) 14.7   | (f) 231.8   | (g) 185.3  | (h) 201.5   |
| (i) 78.38  | (j) 135.14  | (k) 141.97 | (l) 164.89  |
| (m) 4938.3 | (n) 5141.49 | (o) 15.455 | (p) 1009.02 |

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Question 4: Round the following numbers to the nearest 100

- |         |         |         |         |
|---------|---------|---------|---------|
| (a) 390 | (b) 220 | (c) 160 | (d) 240 |
| (e) 518 | (f) 842 | (g) 756 | (h) 547 |
| (i) 371 | (j) 578 | (k) 613 | (l) 888 |
| (m) 374 | (n) 611 | (o) 673 | (p) 480 |
| (q) 150 | (r) 349 | (s) 951 | (t) 950 |
| (u) 850 | (v) 949 | (w) 748 | (x) 540 |
| (y) 450 | (z) 495 |         |         |

Question 5: Round the following numbers to the nearest 100

- |            |            |           |           |
|------------|------------|-----------|-----------|
| (a) 1430   | (b) 1280   | (c) 1610  | (d) 1550  |
| (e) 4030   | (f) 6080   | (g) 7420  | (h) 8160  |
| (i) 3562   | (j) 2415   | (k) 8283  | (l) 5858  |
| (m) 9248   | (n) 3358   | (o) 4214  | (p) 9987  |
| (q) 13494  | (r) 16148  | (s) 13114 | (t) 15832 |
| (u) 26783  | (v) 56862  | (w) 45555 | (x) 13668 |
| (y) 489481 | (z) 124346 |           |           |

Question 6: Round the following numbers to the nearest 100

- |             |              |              |              |
|-------------|--------------|--------------|--------------|
| (a) 248.2   | (b) 561.9    | (c) 716.8    | (d) 246.4    |
| (e) 149.7   | (f) 2315.8   | (g) 1835.3   | (h) 2061.5   |
| (i) 2378.38 | (j) 5135.14  | (k) 9141.97  | (l) 4164.89  |
| (m) 44938.3 | (n) 25141.49 | (o) 1995.455 | (p) 51009.02 |

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Question 7: Round the following numbers to the nearest 1000

- |          |          |          |          |
|----------|----------|----------|----------|
| (a) 2300 | (b) 5600 | (c) 2900 | (d) 8200 |
| (e) 7200 | (f) 8420 | (g) 2780 | (h) 4500 |
| (i) 1930 | (j) 6480 | (k) 7710 | (l) 5500 |
| (m) 4951 | (n) 7571 | (o) 7456 | (p) 5499 |
| (q) 7395 | (r) 3112 | (s) 3661 | (t) 5532 |
| (u) 4945 | (v) 9442 | (w) 9550 | (x) 9499 |
| (y) 9934 | (z) 7409 |          |          |

Question 8: Round the following numbers to the nearest 1000

- |            |            |            |            |
|------------|------------|------------|------------|
| (a) 21800  | (b) 18300  | (c) 17600  | (d) 19200  |
| (e) 11590  | (f) 16350  | (g) 24500  | (h) 34800  |
| (i) 38434  | (j) 84925  | (k) 48358  | (l) 56187  |
| (m) 123940 | (n) 293482 | (o) 231184 | (p) 563921 |

Question 10: Round the following numbers to the nearest 10000

- |            |            |            |            |
|------------|------------|------------|------------|
| (a) 39304  | (b) 23424  | (c) 44500  | (d) 26492  |
| (e) 26500  | (f) 54588  | (g) 62049  | (h) 75000  |
| (i) 418553 | (j) 144503 | (k) 185000 | (l) 384458 |

Question 11: Round the following numbers to the nearest 100000

- |            |            |             |             |
|------------|------------|-------------|-------------|
| (a) 384000 | (b) 129400 | (c) 569000  | (d) 812300  |
| (e) 384984 | (f) 750000 | (g) 1284000 | (h) 2840000 |

Question 12: Round the following numbers to the nearest 1000000

- |              |              |              |               |
|--------------|--------------|--------------|---------------|
| (a) 1492000  | (b) 5600000  | (c) 7308000  | (d) 6670000   |
| (e) 12800000 | (f) 17450000 | (g) 35700000 | (h) 384728521 |

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### Apply

Question 1: 645 people attended a concert. Round this to the nearest 10.

Question 2: 861 students attend a school. Round this to the nearest 100.

Question 3: The cost of a laptop is £1348. Round this to the nearest £100.

Question 4: 24,812 people attended a football match. Round this to the nearest thousand.

Question 5: The population of a city is 85,398. Round this to the nearest thousand.

Question 6: The number of beads in a jar is 50 to the nearest ten.

- (a) What is the minimum possible number of beads in the jar?
- (b) What is the maximum possible number of beads in the jar?

Question 7: The number of students at a school is 1200 to the nearest 100.  
What is the maximum possible number of students at the school?

Question 8: The population of a village is 900 to the nearest 100.  
State if the following could be true or false:

- (a) 890 people live in the village.
- (b) 960 people live in the village.
- (c) 912 people live in the village.
- (d) 845 people live in the village.
- (e) 850 people live in the village.
- (f) 950 people live in the village.

Question 9: The value of a car is £7000 to the nearest thousand pounds.

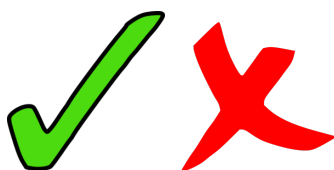
- (a) What is the least possible value of the car?
- (b) What is the greatest possible value of the car?



Question 10: The number of people at a concert is 200 to the nearest 10.

- (a) What is the least possible number of people at the concert?
- (b) What is the greatest possible number of people at the concert?

### Answers



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