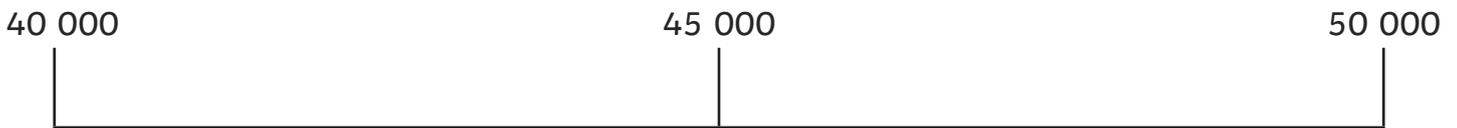
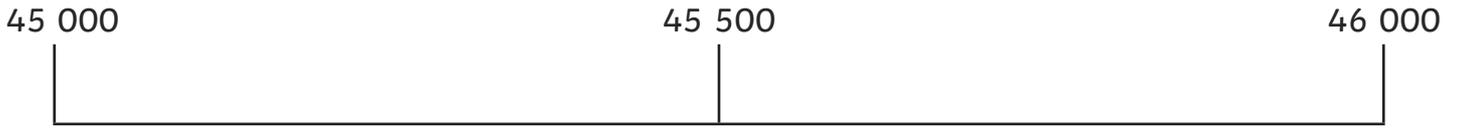


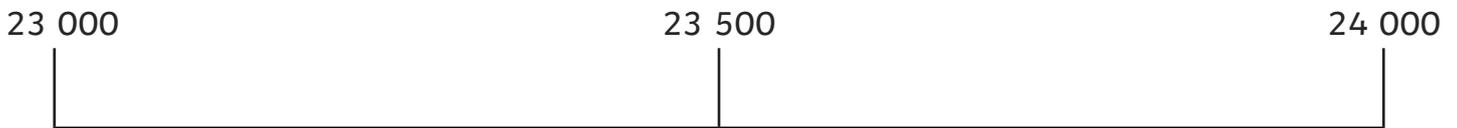
# Rounding to 1000, 10 000 and 100 000

1. Round each of these numbers to the nearest 1000 and 10 000. Use the number lines below to help you.

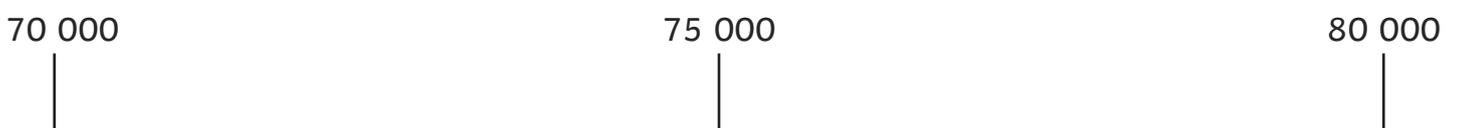
Number	Rounded to the nearest 1000	Rounded to the nearest 10 000
45 789		



Number	Rounded to the nearest 1000	Rounded to the nearest 10 000
23 189		



Number	Rounded to the nearest 1000	Rounded to the nearest 10 000
77 738		







# Rounding to 1000, 10 000, 100 000 and 1 000 000

1. Round the following numbers to the nearest 1000, 10 000 and 100 000.

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000
235 784			
537 182			
137 872			
872 538			

2. Round the following numbers to the nearest 1000, 10 000, 100 000 and 1 000 000.

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000	Rounded to the nearest 1 000 000
3 476 389				
7 307 381				
5 937 037				
4 502 378				

3. Circle the numbers that would make 570 000 when rounded to the nearest 10 000.

562 893	568 291	566 873	565 032
562 278	567 519	565 499	561 499

4. Circle the numbers that would make 4 700 000 when rounded to the nearest 100 000.

4 738 347	4 742 873	4 782 674	4 755 278
4 735 278	4 779 378	4 796 278	4 735 295

# Rounding to 1000, 10 000, 100 000 and 1 000 000

1. Round the following numbers to the nearest 1000, 10 000, 100 000 and 1 000 000.

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000	Rounded to the nearest 1 000 000
4 389 280				
6 270 478				
9 938 283				
12 538 287				
36 489 937				

2. Think about the number 45 678 900.

Say this number aloud.

Complete this sentence:

The millions digit will change when this number is rounded to the nearest \_\_\_\_\_.

3. Circle the numbers that would make 2 856 000 when rounded to the nearest 100 000.

2 856 389	2 856 983	2 855 730	2 855 107
2 855 834	2 856 499	2 856 999	2 855 492

4. Circle the numbers that would make 16 000 000 when rounded to the nearest 1 000 000.

16 276 278	16 183 429	16 574 928	16 688 673
16 475 027	16 885 187	16 379 472	16 789 615

5. Sam says:

5 298 499 rounded to the nearest 100 000 would make 5 200 000.

Is he correct?            Yes/No

Explain your answer.

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6. Round the answer to  $3\,456\,987 + 4\,287\,456$  by rounding the numbers to:

- the nearest 1 000 000    \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_
- the nearest 100 000    \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_
- the nearest 10 000    \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_
- the nearest 1000    \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_

7. Which answer gives you the most accurate estimation? Explain your answer.

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# Answers

1. Round each of these numbers to the nearest 1000 and 10 000. Use the number lines below to help you.

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000
45 789	<b>46 000</b>	<b>50 000</b>

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000
23 189	<b>23 000</b>	<b>20 000</b>

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000
77 738	<b>78 000</b>	<b>80 000</b>

2. Round each of these numbers to the nearest 1000, 10 000 and 100 000. Use the number line below to help you.

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000
361 902	<b>362000</b>	<b>360 000</b>	<b>400 000</b>

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000
759 876	<b>760 000</b>	<b>760 000</b>	<b>800 000</b>

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000
438 762	<b>439 000</b>	<b>440 000</b>	<b>400 000</b>

3. Circle the numbers that would make 28 000 when rounded to the nearest 1000.

27 489	28 702	27 834	27 163
28 087	27 523	28 432	28 521

4. Circle all the numbers that would make 140 000 when rounded to the nearest 10 000.

139 786	144 783	133 678	138 672
134 278	145 783	143 278	132 178

# Answers

1. Round the following numbers to the nearest 1000, 10 000 and 100 000.

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000
235 784	<b>236 000</b>	<b>240 000</b>	<b>200 000</b>
537 182	<b>537 000</b>	<b>540 000</b>	<b>500 000</b>
137 872	<b>138 000</b>	<b>140 000</b>	<b>100 000</b>
872 538	<b>873 000</b>	<b>870 000</b>	<b>900 000</b>

2. Round the following numbers to the nearest 1000, 10 000, 100 000 and 1 000 000.

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000	Rounded to the nearest 1 000 000
3 476 389	<b>3 476 000</b>	<b>3 480 000</b>	<b>3 500 000</b>	<b>3 000 000</b>
7 307 381	<b>7 307 000</b>	<b>7 310 000</b>	<b>7 300 000</b>	<b>7 000 000</b>
5 937 037	<b>5 937 000</b>	<b>5 940 000</b>	<b>5 900 000</b>	<b>6 000 000</b>
4 502 378	<b>4 502 000</b>	<b>4 500 000</b>	<b>4 500 000</b>	<b>5 000 000</b>

3. Circle the numbers that would make 570 000 when rounded to the nearest 10 000.

562 893	568 291	566 873	565 032
562 278	567 519	565 499	561 499

4. Circle the numbers that would make 4 700 000 when rounded to the nearest 100 000.

4 738 347	4 742 873	4 782 674	4 755 278
4 735 278	4 779 378	4 796 278	4 735 295

# Answers

1. Round the following numbers to the nearest 1000, 10 000, 100 000 and 1 000 000.

Number	Rounded to the nearest 1000	Rounded to the nearest 10 000	Rounded to the nearest 100 000	Rounded to the nearest 1 000 000
4 389 280	<b>4 389 000</b>	<b>4 390 000</b>	<b>4 400 000</b>	<b>4 000 000</b>
6 270 478	<b>6 270 000</b>	<b>6 270 000</b>	<b>6 300 000</b>	<b>6 000 000</b>
9 938 283	<b>9 938 000</b>	<b>9 938 000</b>	<b>9 900 000</b>	<b>10 000 000</b>
12 538 287	<b>12 538 000</b>	<b>12 540 000</b>	<b>12 500 000</b>	<b>13 000 000</b>
36 489 937	<b>36 490 000</b>	<b>36 490 000</b>	<b>36 500 000</b>	<b>36 000 000</b>

2. Think about the number 45 678 900.

Say this number aloud.

Complete this sentence:

The millions digit will change when this number is rounded to the nearest **million**.

3. Circle the numbers that would make 2 856 000 when rounded to the nearest 100 000.

2 856 389	2 856 983	2 855 730	2 855 107
2 855 834	2 856 499	2 856 999	2 855 492

4. Circle the numbers that would make 16 000 000 when rounded to the nearest 100 000.

16 276 278	16 183 429	16 574 928	16 688 673
16 475 027	16 885 187	16 379 472	16 789 615

5. Sam says:

5 298 499 rounded to the nearest 100 000 would make 5 200 000.

Is he correct?            Yes/No

Explain your answer.

**Sam is wrong because there are 9 ten thousands so he needs to round the hundred thousand up to 300 000.**

6. Round the answer to  $3\,456\,987 + 4\,287\,456$  by rounding the numbers to:

- the nearest 1 000 000     **$3\,000\,000 + 4\,000\,000 = 7\,000\,000$**
- the nearest 100 000     **$3\,500\,000 + 4\,300\,000 = 7\,800\,000$**
- the nearest 10 000     **$3\,460\,000 + 4\,290\,000 = 7\,750\,000$**
- the nearest 1000     **$3\,457\,000 + 4\,287\,000 = 7\,744\,000$**

7. Which answer gives you the most accurate estimation? Explain your answer.

**Rounding to the nearest 1000 gives you the closest estimate because you still include the 100 000, 10 000 and 1000 digits in the calculation.**