

The Nearest 10, 100 and 1000

Learning Objective:

To round to the nearest 10, 100 and 1000.

Match the number, how the number is rounded and the number to which it is rounded. One has been done for you.

Top Tip: Start with the larger numbers first.

39	nearest 1000	3400
65	nearest 10	70
74	nearest 100	100
145	nearest 10	700
736	nearest 10	40
1902	nearest 100	1900
3419	nearest 100	10 000
9567	nearest 100	150

Challenge

Make your own for a friend to check. Some boxes have been completed or partly completed already. You need to include the arrows.

	nearest ___	
89	nearest ___	
	nearest 10	
	nearest ___	
492	nearest 100	
	nearest 1000	

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Learning Objective:

To solve word problems with rounding.

Solve the following word problems, rounding the answer as instructed.

1. A supermarket sells 187 cartons of yoghurt a week. How many cartons is this to the nearest 10 and 100?
190 and 200
2. There are 35 245 spectators at a football match. How many is this to the nearest 10, 100 and 1000?
35 250, 35 200 and 35 000
3. A newspaper reports that about 12 400 people attended a parade. How is this rounded and what is the range of the precise attendance?
nearest 100 and 12 350 to 12 449
4. There are 12 876 adult tickets and 5621 child tickets sold for a concert. To the nearest 10 and 100, how many tickets are sold altogether?
18 500 and 18 500
5. A shop has 2349 tins of tomatoes in stock. It sells 782 in a week. To the nearest 10, how many will be left?
1570
6. An office receives about 35 letters per day. To the nearest 10, how many letters does it receive in a working week (5 days)?
180
7. A swimming pool gets about 120 swimmers each day from Monday to Friday, and about 250 swimmers in total over the weekend. To the nearest 100, how many swimmers does the pool get over the whole week?
900
8. A lorry driver travels about 370 miles per day for 5 days per week. To the nearest 100 and 1000, how many miles does the driver travel each week?
1900 and 2000

Challenge

What happens if you round the numbers in the questions, then calculate the answers?

The Nearest 10

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Write the tens either side of the given number and mark it approximately on the number line. Then circle the 10 to which the given number is closer. (Remember, 5 goes up.)

a) 41



g) 89



b) 34



h) 55



c) 12



i) 183



d) 99



j) 367



e) 105



k) 896



f) 67



l) 1875



Round the following numbers to the nearest 10.

44 → 40	95 → 100	1983 → 1980	10 783 → 10 780
78 → 80	123 → 120	5623 → 5620	19 878 → 19 880
16 → 20	176 → 180	9012 → 9010	28 003 → 28 000
3 → 0	299 → 300	7995 → 8000	37 997 → 38 000
89 → 90	364 → 360	6003 → 6000	191 000 → 191 010
32 → 30	782 → 780	5786 → 5790	398 908 → 398 910

Round the following numbers to the nearest 10km.

Places	Distance	to the nearest 10 km
Sheffield to London	257 km	260 km
Liverpool to Birmingham	141 km	140 km
Manchester to Bristol	113 km	110 km
Norwich to Plymouth	506 km	510 km
Leeds to Swansea	339 km	340 km
Blackpool to York	144 km	140 km
Newcastle to Brighton	528 km	530 km
Oxford to Exeter	221 km	220 km
Portsmouth to Carlisle	525 km	530 km

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a) 234



g) 1290



b) 781



h) 2045



c) 167



i) 3950



d) 502



j) 4781



e) 450



k) 12 456



f) 631



l) 34 780



Round the following numbers to the nearest 100.

341 → 300	83 → 100	3009 → 3000	67 430 → 67 400
789 → 800	560 → 600	4762 → 4800	109 052 → 109 100
145 → 100	932 → 900	8420 → 8400	279 973 → 280 000
35 → 0	895 → 900	9562 → 9600	300 013 → 300 000
676 → 700	1804 → 1800	12 745 → 12 700	413 413 → 413 400
423 → 400	2398 → 2400	34 562 → 34 600	399 968 → 400 000

Round the following numbers to the nearest 100km.

Places	Distance	to the nearest 100km
Budapest to Zagreb	345 km	300 km
Milan to Barcelona	824 km	800 km
Bucharest to Sarajevo	796 km	800 km
London to Berlin	1050 km	1100 km
Vienna to Amsterdam	1069 km	1100 km
Warsaw to Geneva	1427 km	1400 km
Munich to Madrid	1759 km	1800 km
Istanbul to The Haugue	2593 km	2600 km
Paris to Moscow	2762 km	2800 km

The Nearest 1000

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Write the thousands either side of the given number and mark it approximately on the number line. Then circle the 1000 to which the given number is closer. (Remember, 5 and 500 go up.)

a) 2670



g) 24 677



b) 4122



h) 46 545



c) 3091



i) 134 304



d) 4562



j) 270 013



e) 8914



k) 342 708



f) 12 300



l) 450 450



Round the following numbers to the nearest 1000.

1804 → 2000	12 532 → 13 000	190 870 → 191 000
2398 → 2000	24 665 → 25 000	207 207 → 207 000
7804 → 8000	31 500 → 32 000	345 828 → 346 000
2398 → 2000	45 838 → 46 000	199 666 → 200 000
2502 → 3000	66 112 → 66 000	451 727 → 452 000
2398 → 2000	71 008 → 71 000	999 700 → 1 000 000

Round the following numbers to the nearest 1000km.

Places	Distance	to the nearest 1000km
London to New York	5540 km	6000 km
Rio De Janeiro to Madrid	8140 km	8000 km
Cape Town to Rome	8450 km	8000 km
Perth to Sydney	3300 km	3000 km
Beijing to Washington	11 200 km	11 000 km
Boston to Delhi	11 500 km	12 000 km
Buenos Aires to Berlin	11 900 km	12 000 km
Christchurch to Paris	19 100 km	19 000 km
Earth to the Moon	384 403 km	384 000 km

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89	nearest ___	
	nearest 10	
	nearest ___	
492	nearest 100	
	nearest 1000	

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4. There are 12, 876 adult tickets and 5,621 child tickets sold for a concert. To the nearest 10 and 100, how many tickets are sold altogether?

5. A shop has 2,349 tins of tomatoes in stock. It sells 782 in a week. To the nearest 10, how many will be left?

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7. A swimming pool gets about 120 swimmers each day from Monday to Friday, and about 250 swimmers in total over the weekend. To the nearest 100, how many swimmers does the pool get over the whole week?

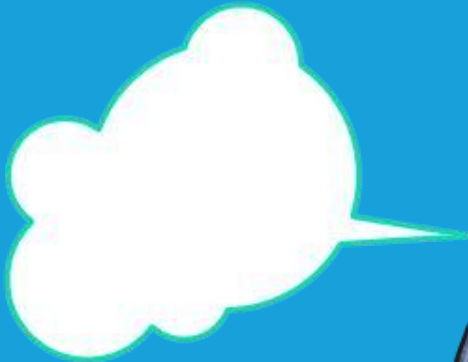
8. A lorry driver travels about 370 miles per day for 5 days per week. To the nearest 100 and 1000, how many miles does the driver travel each week?

Challenge

What happens if you round the numbers in the questions, then calculate the answers?

Rounding to the Nearest

10



Learning Objective: To round to the nearest 10

Which ten is the following number nearest to?

36



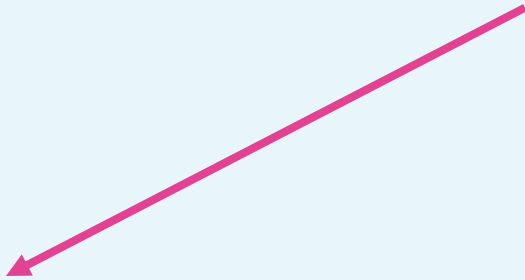
30

40

Learning Objective: To round to the nearest 10

Which ten is the following number nearest to?

82



80

90

Learning Objective: To round to the nearest 10

Which ten is the following number nearest to?

125



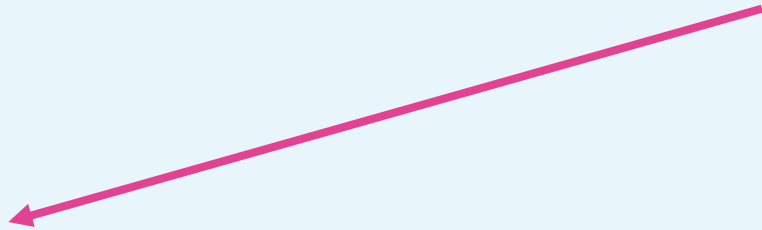
120

130

Learning Objective: To round to the nearest 10

Which ten is the following number nearest to?

980



980

990



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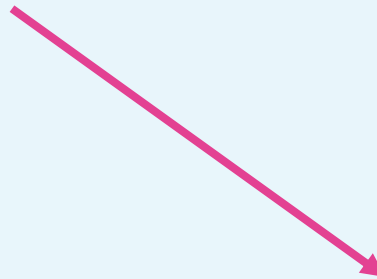
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Learning Objective: To round to the nearest 10

Which ten is the following number nearest to?

1457

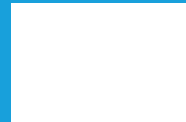
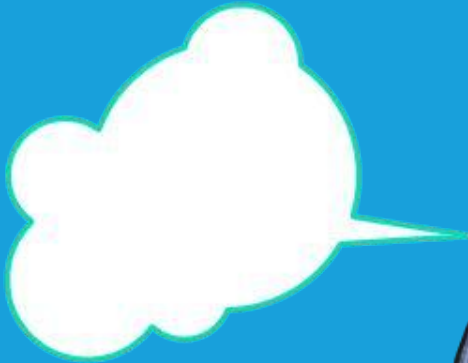


1450

1460

Rounding to the Nearest

100



Learning Objective: To round to the nearest 100

Which hundred is the following number nearest to?

156



100

200

Learning Objective: To round to the nearest 100

Which hundred is the following number nearest to?

215



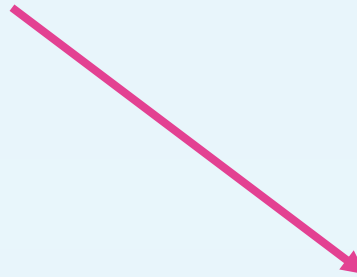
200

300

Learning Objective: To round to the nearest 100

Which hundred is the following number nearest to?

1670



1600

1700



Learning Objective: To round to the nearest 100

Which hundred is the following number nearest to?

1950



1900

2000



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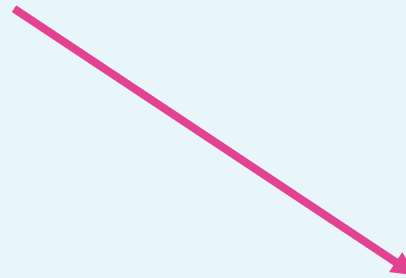
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Learning Objective: To round to the nearest 100

Which hundred is the following number nearest to?

3370

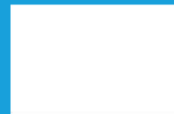
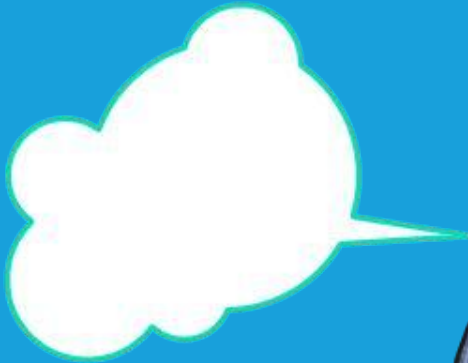


3300

3400

Rounding to the Nearest

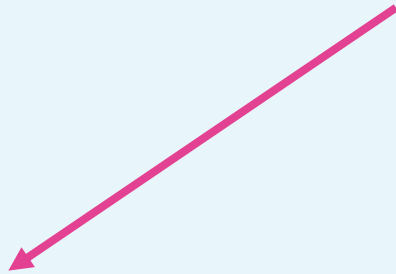
1000



Learning Objective: To round to the nearest 1000

Which thousand is the following number nearest to?

2352



2000

3000

Learning Objective: To round to the nearest 1000

Which thousand is the following number nearest to?

3892

3000

4000

Learning Objective: To round to the nearest 1000

Which thousand is the following number nearest to?

4090



4000

5000

Learning Objective: To round to the nearest 1000

Which thousand is the following number nearest to?

3593



3000

4000

Learning Objective: To round to the nearest 1000

Which thousand is the following number nearest to?

7457

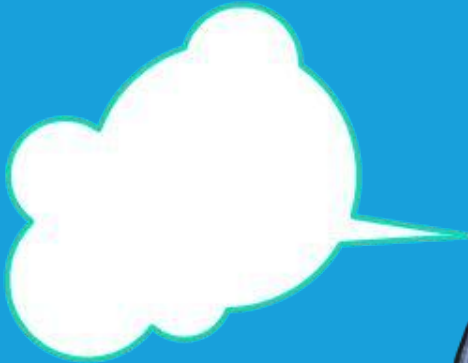


7000

8000



Rounding to the Nearest 10, 100 and 1000



Learning Objective: To solve word problems

A family travels 225 miles in a car.

How far do they travel to the nearest 10 and nearest 100 miles?

225 miles rounded to the nearest 10 is **230 miles**.

225 miles rounded to the nearest 100 is **200 miles**.

Which one would you use if you told a friend how far you travelled?



Learning Objective: To solve word problems

A delivery driver travels 75 miles each day.

How far will the driver travel in 5 days, to the nearest 10 and 100 miles?



$$75 \times 5 = \mathbf{375}$$

375 rounded to the nearest 10 is **380**

375 rounded to the nearest 100 is **400**

Learning Objective: To solve word problems

An ice cream van sells 334 lollies and 127 cones in a day.
How many lollies and cones were sold altogether, to the nearest 10 and 100?

$$\begin{array}{r} 334 \\ + 127 \\ \hline \end{array}$$

461

1

$$334 + 127 = \mathbf{461}$$

461 rounded to the nearest 10 is **460**

461 rounded to the nearest 100 is **500**





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g) 89



b) 34



h) 55



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j) 367



e) 105



k) 896



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l) 1875



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Round the following numbers to the nearest 10km.

Places	Distance	to the nearest 10 km
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g) 1290



b) 781



h) 2045



c) 167



i) 3950



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k) 12 456



f) 631



l) 34 780



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145 →	932 →	8420 →	279 973 →
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676 →	1804 →	12 745 →	413 413 →
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Round the following numbers to the nearest 100km.

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a) 2670



g) 24 677



b) 4122



h) 46 545



c) 3091



i) 134 304



d) 4562



j) 270 013



e) 8914



k) 342 708



f) 12 300



l) 450 450



Round the following numbers to the nearest 1000.

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2398 →	24 665 →	207 207 →
7804 →	31 500 →	345 828 →
2398 →	45 838 →	199 666 →
2502 →	66 112 →	451 727 →
2398 →	71 008 →	999 700 →

Round the following numbers to the nearest 1000km.

Places	Distance	to the nearest 1000km
London to New York	5540 km	
Rio De Janeiro to Madrid	8140 km	
Cape Town to Rome	8450 km	
Perth to Sydney	3300 km	
Beijing to Washington	11 200 km	
Boston to Delhi	11 500 km	
Buenos Aires to Berlin	11 900 km	
Christchurch to Paris	19 100 km	
Earth to the Moon	384 403 km	

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