

Rounding to the nearest 10

Aim: I can use my knowledge of rounding to the nearest ten to solve word problems.

Remember:

- If the units digit is 0, 1, 2, 3 or 4 then the tens digit stays the same.

$$152 \longrightarrow 150$$

- If the units digit is 5, 6, 7, 8 or 9 then the tens digit goes up by 1.

$$678 \longrightarrow 680$$

1. There were 416 passengers on the Boeing 747 flying from Glasgow airport to New York City.

Round this to the nearest 10

2. Lukas measures the length of his bedroom, it was 372cm.

Round this to the nearest 10

3. There were 5378 fans at the Scottish League Cup final game.

Round this to the nearest 10

4. When Brodie was born he weighed 8lb 7oz (this is the same as 3827g) and he measured 57cm in length.

Round his weight (in grams) to the nearest 10

Round his length to the nearest 10

5. Callum has 248 stamps in his collection.

Round this to the nearest 10

Rounding to the nearest 100

Aim: I can use my knowledge of rounding to the nearest hundred to solve word problems.

Remember:

- If the tens digit is 0, 1, 2, 3 or 4 then the hundreds digit stays the same.

$$137 \longrightarrow 100$$

- If the tens digit is 5, 6, 7, 8 or 9 then the hundreds digit goes up by 1.

$$5664 \longrightarrow 5700$$

1. The local newspaper, The Advertiser, sold 7372 copies.

Round this to the nearest 100

2. 43 678 fans bought tickets for the Six Nations rugby match at Murrayfield Stadium.

Round this to the nearest 100

3. 4693 blue cars drove over the Erskine Bridge during a recent traffic survey. 7564 red cars were also counted.

Round the number of blue cars to the nearest 100

Round the number of red cars to the nearest 100

Round the number of blue and red cars to the nearest 100

4. 2368 red squirrels were spotted in the Highlands between January and September.

Round this to the nearest 100

Round these to the nearest 100

2435

3756

9879

3375

2142

1664

678

8976

24 456

5732

68 831

4265

752

398

Rounding to the nearest 10 and 100

Aim: I can use my knowledge of rounding to the nearest ten and hundred to solve word problems.

Round these to the nearest 10 and 100

2435

3756

9879

3375

2142

1664

678

1. Four friends won £38 856.00 in the lottery and they split it equally between them.

How much did each friend win?

Round their individual winnings to the nearest 10

Round their individual winnings to the nearest 100

Round their total winnings to the nearest 1000

2. The table below shows the 2013 traffic survey of the total number of vehicles to pass over the Forth Road Bridge from January to June. Complete the table by rounding to the nearest 10 and nearest 100.

Month	Total	Round to nearest 10	Round to nearest 100
Jan	1 808 012		
Feb	1 873 150		
Mar	2 067 401		
Apr	2 147 666		
May	2 301 024		
Jun	2 229 848		

3. It has been reported that the Ferrari 458 Italia will cost from £149 246.00

Round this to the nearest 10

Round this to the nearest 100

Round this to the nearest 1000

Rounding to the nearest 10 - Answers

Aim: I can use my knowledge of rounding to the nearest ten to solve word problems.

Remember:

- If the units digit is 0, 1, 2, 3 or 4 then the tens digit stays the same.

$$152 \longrightarrow 150$$

- If the units digit is 5, 6, 7, 8 or 9 then the tens digit goes up by 1.

$$678 \longrightarrow 680$$

1. There were 416 passengers on the Boeing 747 flying from Glasgow airport to New York City.

Round this to the nearest 10

420

2. Lukas measures the length of his bedroom, it was 372cm.

Round this to the nearest 10

370cm

3. There were 5378 fans at the Scottish League Cup final game.

Round this to the nearest 10

5380

4. When Brodie was born he weighed 8lb 7oz (this is the same as 3827g) and he measured 57cm in length.

Round his weight (in grams) to the nearest 10

3830g

Round his length to the nearest 10

60cm

5. Callum has 248 stamps in his collection.

Round this to the nearest 10

250

Rounding to the nearest 100 - Answers

Aim: I can use my knowledge of rounding to the nearest hundred to solve word problems.

Remember:

- If the tens digit is 0, 1, 2, 3 or 4 then the hundreds digit stays the same.

$$137 \longrightarrow 100$$

- If the tens digit is 5, 6, 7, 8 or 9 then the hundreds digit goes up by 1.

$$5664 \longrightarrow 5700$$

1. The local newspaper, The Advertiser, sold 7372 copies.

Round this to the nearest 100

7400

2. 43 678 fans bought tickets for the Six Nations rugby match at Murrayfield Stadium.

Round this to the nearest 100

43 700

3. 4693 blue cars drove over the Erskine Bridge during a recent traffic survey. 7564 red cars were also counted.

Round the number of blue cars to the nearest 100

4700

Round the number of red cars to the nearest 100

7600

Round the number of blue and red cars to the nearest 100

12 300

4. 2368 red squirrels were spotted in the Highlands between January and September.

Round this to the nearest 100

2400

Round these to the nearest 100

2435

2400

3756

3800

9879

9900

3375

3400

2142

2100

1664

1700

678

700

8976

9000

24 456

24 500

5732

5700

68 831

68 800

4265

4300

752

800

398

400

Rounding to the nearest 10 and 100 - Answers

Aim: I can use my knowledge of rounding to the nearest ten and hundred to solve word problems.

Round these to the nearest 10 and 100

2435	3756	9879	3375	2142	1664	678
2440	3760	9880	3380	2140	1660	680
2400	3800	9900	3400	2100	1700	700

1. Four friends won £38 856.00 in the lottery and they split it equally between them.

How much did each friend win? **£9714**

Round their individual winnings to the nearest 10 **£9710**

Round their individual winnings to the nearest 100 **£9700**

Round their total winnings to the nearest 1000 **£10 000**

2. The table below shows the 2013 traffic survey of the total number of vehicles to pass over the Forth Road Bridge from January to June. Complete the table by rounding to the nearest 10 and nearest 100.

Month	Total	Round to nearest 10	Round to nearest 100
Jan	1 808 012	1 808 010	1 808 000
Feb	1 873 150	1 873 150	1 873 200
Mar	2 067 401	2 067 400	2 067 400
Apr	2 147 666	2 147 670	2 147 700
May	2 301 024	2 301 020	2 301 000
Jun	2 229 848	2 229 850	2 229 800

3. It has been reported that the Ferrari 458 Italia will cost from £149 246.00

Round this to the nearest 10 **£149 250.00**

Round this to the nearest 100 **£149 200.00**

Round this to the nearest 1000 **£149 000.00**