

Round to 10, 100 and 1,000

1a. Find the numbers which round to 5,140 when rounded to the nearest 10.

5,136

5,144

5,134

5,039

Explain why the other numbers will not round to 5,140.

Use your knowledge of place value.



R

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1b. Find the numbers which round to 7,200 when rounded to the nearest 100.

7,092

7,203

7,195

5,202

Explain why the other numbers will not round to 7,200.

Use your knowledge of place value.



R

2a. Bill is crossing the maze below using numbers which round to the nearest 100 to 2,500. Bill is only half-way. Where could he go next? Is there only one route?

3,087	2,507	2,525	2,487	2,539
2,588	2,466	2,421	2,577	2,421
2,405	2,516	2,610	2,490	2,532
1,099	2,455	2,481	2,541	2,573
2,469	2,504	2,380	2,419	3,042
4,099	3,081	2,571	2,436	2,044



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2b. Jill is crossing the maze below using numbers which round to the nearest 1,000 to 7,000. Jill is only half-way. Where could she go next? Is there only one route?

7,580	7,706	6,118	6,911	7,302
7,002	6,091	7,091	6,540	6,412
6,699	7,100	6,871	7,697	7,893
6,319	7,712	7,219	7,099	6,450
6,494	7,500	6,412	6,792	6,283
7,834	6,225	7,802	6,914	7,450



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3a. Aiden is thinking of 2 numbers.

Their difference is 400.



Both numbers have 4 digits and 5 ones.

Both numbers round down to 2,000 as the nearest thousand.

The smallest number is 2,005.

Find 3 pairs of numbers Aiden could be thinking of.



PS

3b. Harrisa is thinking of 2 numbers.

Their difference is 350.



Both numbers have 4 digits and 4 ones.

Both numbers round up to 8,000 as the nearest thousand.

The smallest number is 7,504.

Find 3 pairs of numbers Harrisa could be thinking of.



PS

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4a. Find the numbers which round to 9,650 when rounded to the nearest 10.

Nine thousand six hundred and forty-eight

9,638

9,654

Nine thousand six hundred and fifty-nine

Explain why the other numbers will not round to 9,650.

Use your knowledge of place value.



R

Round to 10, 100 and 1,000

4b. Find the numbers which round to 6,600 when rounded to the nearest 100.

6,608

Six thousand, five hundred and forty-five

Six thousand, five hundred and fifty-nine

6,660

Explain why the other numbers will not round to 6,600.

Use your knowledge of place value.



R

5a. Tom has crossed the maze below using numbers which round to the nearest 100 to 1,900.

Explain where Tom has made a mistake.

→ 1,861	1,898	1,849	1,909	1,999
1,804	1,888	1,949	1,938	1,848
1,882	1,806	1,950	1,926	1,962
1,967	1,857	1,953	1,875	1,821
1,809	1,957	1,888	1,870	1,954 →
1,894	1,901	1,999	1,942	1,860



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5b. Isla has crossed the maze below using numbers which round to the nearest 1,000 to 3,000.

Explain where Isla has made a mistake.

2,100	2,945	3,905	3,831	3,980
2,459	2,199	3,800	2,675	2,500
→ 2,509	2,186	3,999	3,400	2,587 →
2,517	3,507	3,306	3,328	2,367
3,099	2,501	3,491	2,067	3,892
2,400	3,600	3,697	3,078	2,795



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6a. Frances is thinking of 2 numbers.

Their difference is 235.

Both numbers have 3 digits and are multiples of 5.

Both numbers round up to 1,000 as the nearest thousand.

Find 3 pairs of numbers Frances could be thinking of.



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6b. Amal is thinking of 2 numbers.

Their difference is 250.

Both numbers have 4 digits and 7 ones.

Both numbers round up to 6,000 as the nearest thousand.

Find 3 pairs of numbers Amal could be thinking of.



PS

Round to 10, 100 and 1,000

7a. Find the numbers which round to 4,320 when rounded to the nearest 10.

Four thousand, three hundred and fifteen

MMMMCCCXI

4,324

Four thousand, three hundred and twenty-nine

Explain why the other numbers will not round to 4,320.

Use your knowledge of place value.



R

Round to 10, 100 and 1,000

7b. Find the numbers which round to 2,600 when rounded to the nearest 100.

2,539

Two thousand, six hundred and twenty-four

Two thousand, five hundred and eleven

MMDCLVIII

Explain why the other numbers will not round to 2,600.

Use your knowledge of place value.



R

8a. Paul has crossed the maze below using numbers which round to the nearest 100 to 2,100.

Explain where Paul has made a mistake.

MMCC	1,930	2,201	2,193	MMXLII
2,040	2,053	MMLXX	2,144	MCCVII
2,097	MMCIV	MMVII	MMCXII	2,177
1,403	2,150	MMXLVII	2,092	MMMCV
MMMCII	1,316	2,013	2,117	MMCL
2,204	2,189	MMXI	MMLXXIV	2,076



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8b. Steph has crossed the maze below using numbers which round to the nearest 1,000 to 4,000.

Explain where Steph has made a mistake.

3,391	MMVII	4,804	3,319	1,992
3,318	2,817	MMMIV	3,450	4,599
MMMMC	MMMVI	4,513	3,216	4,998
MMML	4,216	MMDCC	3,717	4,319
3,277	4,400	MMMDC	MMMMX	MMM
MMMMD	3,610	4,002	MMMCD	MDC



R

9a. Gillian is thinking of 2 numbers.

Their difference is 244.



Both numbers have 4 digits and are multiples of 4.

Both numbers round to 6,000 to the nearest thousand.

Find 3 pairs of numbers Gillian could be thinking of.



PS

9b. Marshall is thinking of 2 numbers.

Their difference is 305.



Both numbers have 4 digits and have the digit 3 in the tens column.

Both numbers round to 3,000 as the nearest thousand.

Find 3 pairs of numbers Marshall could be thinking of.



PS