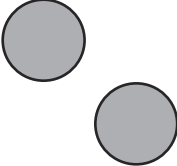# Placing Counters

Jamie has five counters. He places them onto a place value grid.

Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
●		● ●	●		●

He describes the number that his counters represent.

> The counters represent 102 101
> or one hundred and two thousand, one hundred and one.

**Imagine that you have ten counters and can arrange them on this place value grid.**

1. What is the highest number you can make using all the counters?

2. What is the lowest number you can make using all the counters?

3. What is the difference between these two numbers? Can you arrange all the counters to make a number that rounds to 125 000 to the nearest 1000? Write the number you make.

4. Can you arrange all the counters to make a number that has a five in the hundred thousands column and a four in the ones column? Write the number you make in digits and in words.

5. What is the highest number you can make that has a five in the ones place?

Placing Counters

Jamie has five counters. He places them onto a place value grid.

Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
●		●		● ● ●		

He describes the number that his counters represent.

The counters represent 1 010 300
or one million, ten thousand and three hundred.

Imagine that you have ten counters and can arrange them on this place value grid.
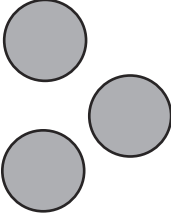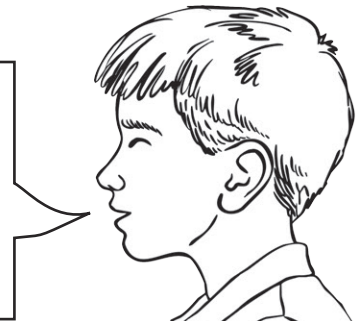
1. What is the highest number you can make using all the counters?

2. What is the lowest number you can make using all the counters?

3. What is the difference between these two numbers?

4. Can you arrange all the counters to make a number that rounds to 1 132 000 to the nearest 10 000? Write the number you make.

5. Can you arrange all the counters to make a number that has a five in the hundred thousands column and a four in the ones column? Write the number you make in digits and in words.

6. What is the highest number you can make that has a five in the ones place?

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Placing Counters

Jamie has five counters. He places them onto a place value grid.

Ten Millions	Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Ones
●		●		● ●		●	

He describes the number that his counters represent.

The counters represent 10 102 010 or ten million, one hundred and two thousand and ten.

Imagine that you have ten counters and can arrange them on this place value grid.

1. What is the highest number you can make using all the counters?

2. What is the lowest number you can make using all the counters?

3. What is the difference between these two numbers?

4. Can you arrange all the counters to make a number that rounds to 1 132 000 to the nearest 10 000? Write the number you make.

5. Can you arrange all the counters to make a number that has a five in the hundred thousands column and a four in the ones column? Write the number you make in digits and in words.

6. What is the highest number you can make that has a five in the ones place?
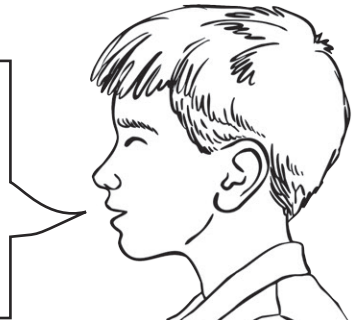
Placing Counters Answers

★

1. 910 000

2. 19

3. 909 981

4. Multiple possible answers, including 125 200.

5. Multiple possible answers, including 510 004 or five hundred and ten thousand and four.

6. 500 005

★★

1. 9 100 000

2. 19

3. 9 099 981

4. Multiple possible answers, including 1 132 300.

5. Multiple possible answers, including 1 500 004 or one million five hundred thousand and four.

6. 5 000 005

★★★

1. 91 000 000

2. 19

3. 9 099 981

4. Multiple possible answers, including 10 231 320.

5. 500 014 or five hundred thousand and fourteen.

6. 99 999 995 or ninety-nine million, nine hundred and ninety-nine thousand, nine hundred and ninety-five.