1) Complete the table.

Number in Digits

Number in Words
three hundred and fifty-two thousand, one hundred and twenty-four

Place Value Representation

HTh	TTh	Th	H	T	O

Number in Digits
602 173

Number in Words

Place Value Representation

HTh	TTh	Th	H	T	O

Number in Digits

Number in Words

Place Value Representation

Thousands			Ones		
HTh	TTh	Th	H	T	O

Number in Digits

Number in Words
one hundred and sixty thousand, two hundred and one

Place Value Representation

Thousands			Ones		
HTh	TTh	Th	H	T	O

2) Show three different ways that 520 324 can be partitioned. One example has been given.

520 324 = 500 000 + 20 000 + 300 + 20 + 4

1) Last year, an inventor earned six hundred and three thousand, four hundred and two pounds. Terri writes this in numerals as £630 420. Is she correct?

Explain your thinking.

2) An author earns £240 325. Which partitioned representations are correct and which are incorrect. Can you explain any mistakes?

240 325 = 210 000 + 30 000 + 320 + 5

Correct or incorrect?

240 325 = 190 000 + 40 000 + 320 + 5

Correct or incorrect?

240 325 = 205 000 + 30 000 + 5000 + 325

Correct or incorrect?

240 325 = 150 000 + 80 000 + 150 + 175

Correct or incorrect?

Can you incorrectly partition a six-digit number for a partner to correct?

1) Look at each musician's earnings for the year. They have been presented using a bar model. Can you identify the pattern and complete each sequence?

Ms Viola £550 230

£550 230	
£500 230	£50 000

£550 230	
£400 230	£150 000

£550 230	
£300 230	

£550 230	

Mr Brass £295 900

£295 900	
£200 000	£95 900

£295 900	
£220 000	£75 900

£295 900	

£295 900	
	£35 900

Mrs Notes £750 000

£750 000	

£750 000	
	£220 000

£750 000	
£420 000	£330 000

£750 000	
£310 000	£440 000

a) Mr Strings has also recorded his earnings for the year. Using the clues, can you work out how much he earnt?
He has thirty fewer ten thousands than Mrs Notes.
He has double the tens of Ms Viola.
He has twenty fewer tens than Mr Brass.

b) Ms Percussion recorded her earnings for the year. Using the clues, can you work out how much she earnt?
She has half as many thousands as Ms Viola.
She has 200 fewer ones than Mr Brass.

Can you make up your own musician earnings and give clues to a partner for them to solve?

ANSWERS

1)

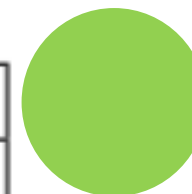| Number in Digits	Number in Words	Place Value Representation
352 124	three hundred and fifty-two thousand, one hundred and twenty-four	
602 173	six hundred and two thousand, one hundred and seventy-three	
224 185	two hundred and twenty-four thousand, one hundred and eighty-five	
160 201	one hundred and sixty thousand, two hundred and one	

2) Accept any correct partitioning, such as:

520 324 = 520 000 + 300 + 20 + 4

520 324 = 500 000 + 20 000 + 324

520 324 = 510 000 + 10 000 + 200 + 124

1) Terri is incorrect. This number should be 603 402. Terri has placed the 3 digit in the ten thousands place rather than the thousands and the 2 digit in the tens place rather than the ones.

2) Correct.
Incorrect. This makes 230 325.
Correct.
Incorrect. This makes 230 325.

1)

£550 230	
£300 230	£250 000

£295 900	
£240 000	£55 900

£750 000	
£640 000	£110 000

£550 230	
£200 230	£350 000

£295 900	
£260 000	£35 900

£750 000	
£530 000	£220 000

a) Mr Strings £450 760

b) Ms Percussion £275 700