



1) Complete the table.

| Number in Digits | Number in Words | Place Value Representation | | | | | | | |
|------------------|---|----------------------------|--|-------------------|--|------------|-----|--------------------------|-----------------|
| | three hundred and fifty-two thousand, one hundred and twenty-four | HTh | | TTh | | Th | H | T | O |
| | | | | | | | | | |
| 602 173 | | HTh | | TTh | | Th | H | T | O |
| | | | | | | | | | |
| | | HTh | | TTh | | Th | H | T | O |
| | | ● ● | | ● ● | | ● ● ● ● | ● | ● ● ● ● ● ● ● ● | ● ● ● ● ● |
| | one hundred and sixty thousand, two hundred and one | 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 | Mr Brass £295 900 | Mrs Notes £750 000 |
|------------------------|-----------------------|------------------------|
| £550 230 | £295 900 | £750 000 |
| £500 230 £50 000 | £200 000 £95 900 | |
| £550 230 | £295 900 | £750 000 |
| £400 230 £150 000 | £220 000 £75 900 | £220 000 |
| £550 230 | £295 900 | £750 000 |
| £300 230 | | £420 000 £330 000 |
| £550 230 | £295 900 | £750 000 |
| | £35 900 | £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 earned?
 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.

Mr Strings

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

Ms Percussion

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

