Three Decimal Places

7a. Sort the numbers into the table.

5.057	5.073	5.9	5.007

	> 5.069	< 5.069
Number > 504 hundredths		
Number < 5,040 thousandths		

Are there any empty boxes?
Explain why.

R

8a. Mairi is thinking of a number.

My number has 3 decimal places.

It has more than 70 hundredths.

It is between 9 and 8.843

The thousandth digit is greater than the ones digit.

What could Mairi's number be?
Find ten possibilities.

PS

9a. Which is the odd one out?

A 45 tenths and 29 thousandths

B 4 point 5, 2, 9

C Forty five point 2, 9

D 4.529

Give the number in digits and explain your answer.

R

Three Decimal Places

7b. Sort the numbers into the table.

0.787	0.599	0.955	0.588

	> 0.679	< 0.679
Number > 60 hundredths		
Number < 600 thousandths		

Are there any empty boxes?
Explain why.

R

8b. Hakeem is thinking of a number.

My number has 1 decimal place.

It has more than 20 hundredths.

It is between 8.035 and 10.536

What could Hakeem's number be?
Find ten possibilities.

PS

9b. Which is the odd one out?

A 23.054

B Twenty three point five four

C Two tens, three ones, five hundredths and four thousandths

D Two hundred and thirty tenths and fifty four thousandths

Give the number in digits and explain your answer.

R

Greater Depth Answers

Greater Depth

7a.

5.073, 5.9	5.057
	5.007

There is one empty box because no numbers can be > 5.069 if they have less than 5,040 thousandths (5.04).

8a. Various answers, for example:
8.849, 8.859, 8.869, 8.879, 8.889, 8.899, 8.949, 8.959, 8.969, 8.979, 8.989, 8.999

9a. C: 45.29; the others describe 4.529

Greater Depth

7b.

0.787, 0.955	
	0.588, 0.599

There are two empty boxes because no numbers can be < 0.679, if they have more than 60 hundredths (0.6). Nor can they be > 0.679 if they have less than 600 thousandths (0.6).

8b. Various answers, for example:
8.3, 8.4, 8.5, 8.6, 8.7, 8.8, 8.9, 9.3, 9.4, 9.5, 9.6, 9.7, 9.8, 9.9, 10.3, 10.4, 10.5

9b. B: 23.54; the others describe 23.054