Question	Answer
1	a) 13 b) 1.3 c) 0.13 The digits are the same. When the number being divided is a factor of 10 smaller, the answer is also a factor of 10 smaller.

2	a) 9
	   0.9
	b) 8
	   0.08
	c) 7
	   0.07
	d) 8
	   0.8
	The digits are the same. When the number being divided is a factor of 10 smaller, the answer is also a factor of 10 smaller. When the number being divided is a factor of 100 smaller, the answer is also a factor of 100 smaller.

3	a) 2.1 b) 4.1
4	a) 4.1 b) 12.1 c) 10.1
5	a) b)
6	a) 3.2 b) 3.7 c) 3.08 d) 3.89 e) 67.45 f) 11.68
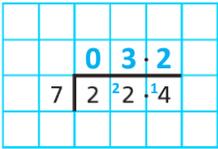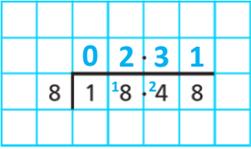
Question	Answer

7	a) 2.41
	   24.1
	   0.241
	   1.205
	b) 2.16
	   2.17
	   2.18
	   2.19
	
	When the number being divided is ten times the size, the answer is also ten times times the size.. When the number being divided is smaller by a factor of 10, the answer is a tenth of the size. When the same number being divided by is the same, but the number it is being divided by is doubled, then the answer is halved.
	
	When the number is being divided by 9 and the number being divided increases by 0.9, the answer increases by 0.1

8	a) $3.6 \div 4 = 36 \div 40$
	   $3.6 \div 4 = 7.2 \div 8$
	b) $7.8 \div 6 = 78 \div 60$
	   $7.8 \div 6 = 3.9 \div 3$

9	possible answers include: $8.4 \div 8 = 4.2 \div 4$ $8.4 \div 6 = 4.2 \div 3$ $8.4 \div 4 = 4.2 \div 2$ $8.4 \div 2 = 4.2 \div 1$ The first number is twice the second number.