

<b>1</b>	<b>Write and read numbers up to and including 10 000 000</b>	
<b>a</b>	Write the following number using numerals:  Four million, seven hundred and twenty one thousand, five hundred and nine	
<b>b</b>	Sam is asked to write the number 6 043 501 in words. He writes  <i>Six million, four hundred and thirty thousand, five hundred and one</i>  Sam is wrong. Explain why.	

<b>2</b>	<b>Compare and order numbers up to and including 10 000 000</b>	
<b>a</b>	Write these numbers in order of size, starting with the smallest:  5 055 505    5 505 555    5 050 555    5 500 000    5 500 555	
<b>b</b>	Erica writes  $718\,033 < 781\,033$  Do you agree? Explain your answer.	

<b>3</b>	<b>Multiply numbers by 10</b>	
<b>a</b>	$5.69 \times 10$	
<b>b</b>	Lyndsey writes  $6.5 \times 10 = 6.50$  Do you agree? Explain your answer.	

<b>4</b>	<b>Multiply numbers by 100</b>	
<b>a</b>	$100 \times 234.701$	
<b>b</b>	Robert writes  $41.75 \times 100 = 4100.75$  Robert is wrong. Explain why.	

<b>5</b>	<b>Multiply numbers by 1000</b>	
<b>a</b>	$0.00235 \times 1000$	
<b>b</b>	Keith writes  $1000 \times 73.2 = 73.2 \times 1000$  Do you agree? Explain your answer.	

<b>6</b>	<b>Divide numbers by 10</b>	
<b>a</b>	$0.06 \div 10$	



<b>b</b>	Claire writes	
		$10 \div 56\,000 = 5600$
	Claire is wrong. Explain why.	

<b>7</b>	<b>Divide numbers by 100</b>	
<b>a</b>	$408.22 \div 100$	
<b>b</b>	Owen writes	
		$30\,417 \div 100 = 304.17$
	Do you agree? Explain your answer.	

<b>8</b>	<b>Divide numbers by 1000</b>	
<b>a</b>	$17.94 \div 1000$	
<b>b</b>	Graham writes	
		$0.000\,003 \div 1000 = 0.000\,3$
	Graham is wrong. Explain why.	

<b>9</b>	<b>Understand and use negative numbers when working in context, such as temperature</b>	
<b>a</b>	Write these temperatures in order of size, starting with the coldest:	
	$9^{\circ}\text{C}$ $-5^{\circ}\text{C}$ $-12^{\circ}\text{C}$ $0^{\circ}\text{C}$ $5^{\circ}\text{C}$ $-4^{\circ}\text{C}$	
<b>b</b>	At midnight, the temperature is $-3^{\circ}\text{C}$ . By midday, the temperature has risen by $10^{\circ}\text{C}$ . Jordan thinks that the temperature at midday must be $13^{\circ}\text{C}$ . Do you agree? Explain why.	

<b>10</b>	<b>Calculate intervals across zero</b>	
<b>a</b>	$5 - 12$	
<b>b</b>	Saad writes	
		$4 - 11 = -7$
	Do you agree? Explain your answer.	

<b>11</b>	<b>Find common multiples of two numbers</b>	
<b>a</b>	Find a common multiple of 6 and 10	
<b>b</b>	Malachi thinks that 40 is a common multiple of 8 and 10. Do you agree? Explain why.	

<b>12</b>	<b>Find common factors of two numbers</b>	
<b>a</b>	Find all the common factors of 18 and 30	
<b>b</b>	Jadzia thinks that 40 is a common factor of 8 and 10. Do you agree? Explain why.	



	Key learning point	☹	☺	☺	☺
1	Write and read numbers up to and including 10 000 000				
2	Compare and order numbers up to and including 10 000 000				
3	Multiply numbers by 10				
4	Multiply numbers by 100				
5	Multiply numbers by 1000				
6	Divide numbers by 10				
7	Divide numbers by 100				
8	Divide numbers by 1000				
9	Understand and use negative numbers when working in context, such as temperature				
10	Calculate intervals across zero				
11	Find common multiples of two numbers				
12	Find common factors of two numbers				

**Top three improvements for me to make**



<b>1a</b>	4 721 509	
<b>1b</b>	e.g. it should be forty three thousand, not four hundred and three thousand	
<b>2a</b>	5 050 555    5 055 505    5 500 000    5 500 555    5 505 555	
<b>2b</b>	Yes, and reason	
<b>3a</b>	56.9	
<b>3b</b>	No, and explanation	
<b>4a</b>	23 470.1	
<b>4b</b>	Reason	
<b>5a</b>	2.35	
<b>5b</b>	Yes, and explanation	
<b>6a</b>	0.006	
<b>6b</b>	Order of division is wrong	
<b>7a</b>	4.0822	
<b>7b</b>	Yes, and reason	
<b>8a</b>	0.01794	
<b>8b</b>	Reason	
<b>9a</b>	-12°C, -5°C, -4°C, 0°C, 5°C, 9°C	
<b>9b</b>	No, the answer should be 7°C	
<b>10a</b>	-7	
<b>10b</b>	Yes, and reason	
<b>11a</b>	Any multiple of 30	
<b>11b</b>	Yes, and reason	
<b>12a</b>	1, 2, 3, 6	
<b>12b</b>	No, and reason	

