Addition and subtraction

Use the formal column methods to add and subtract larger numbers. E.g.

81686 + 66549

Read, write and order large numbers. Understand the value of each digit.

E.g.

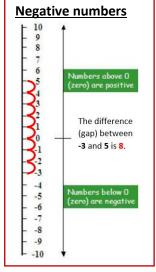
7,830,374

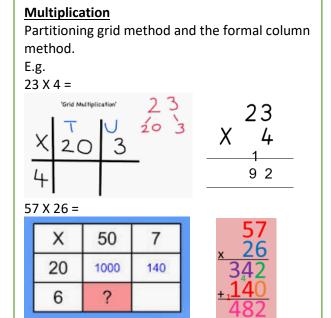
Seven million, eight hundred and thirty thousand, three hundred and seventy four 3 = thirty thousand = 30,000

Angles

To be able to estimate, measure and draw all angles (acute, obtuse and reflex) of any size up to 360°.







Division

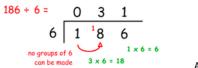
Use their knowledge of times tables and multiples of 10 to answer division calculations.

E.g.

 $96 \div 5 = 19r1$ 10 lots of 5 make 50 9 lots of 5 make 45 So 19 lots of 5 make 95 With 1 left over, making 96

Use the formal method for short division (the bus stop method), including remainders.

E.g.





Answer: 86 remainder 2

Year 5 Maths **Placemat**

Prime numbers and factors of numbers

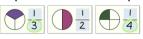
To be able to recognise and identify numbers that fall into these categories.

Squared and cubed numbers

Recognise and use the symbols $(^{2}/^{3})$. To be able to square a number, find the square root of a number and cube numbers.

Fractions

To compare and order simple fractions.



 $\frac{1}{4}$ is smaller than $\frac{1}{3}$

E.g.

To be able to convert improper fractions and mixed number fractions.

E.g.

<u>6</u> = 1 <u>2</u> 3 <u>2</u> = <u>11</u> 3 3

Be able to convert fractions so that they have the same denominator, where the denominators are multiples of the same number.

E.g.

$$\frac{2}{3} \times 6 = \frac{12}{18} \\ \frac{5}{6} \times 3 = \frac{15}{18}$$

Linking decimals, nercentages and fractions

percentages and tractions							
FRACTION	DECIMAL	PERCENTAGE					
1	1.0	100%					
$\frac{1}{2}$	0.5	50%					
1 4	0.25	25%					
1/5	0.2	20%					
110	0.1	10%					
$\frac{1}{20}$	0.05	5%					

Multiplying by 10, 100 and 1000

10 000	1000	100	10	1	1 10	1 100	1 1000
					•		
Multiplying			Dividing				
X 10 digits move LEFT 1 space X 100 digits move LEFT 2 spaces X 1000 digits move LEFT 3 spaces			÷ 10 ÷ 100 ÷ 1000	digits move RIGHT 1 space digits move RIGHT 2 spaces digits move RIGHT 3 spaces			

Jigsaw number recognition

Using their knowledge of jigsaw numbers to ten, make links between calculations and work mentally.

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E.g.	
4 + 6 = 10	
14 + 6 = 20	
34 + 6 = 40	
40 – 4 = 36	
16 + 84 = 100	
346 + 54 = 400	