

| | Topic | Information | Examples | Sparx Clip | | | | | | | | | | | | | | | | |
|-----------|---|---|--|--|----------------|-----------------|------------------|--------|------------|-------------|------|-----|----|---|---|----------------|-----------------|------------------|--|------------------------------------|
| 1 | Place value and rounding | <table border="1"> <tr> <td>Thousands</td> <td>Hundreds</td> <td>Tens</td> <td>Unit</td> <td>•</td> <td>tenths</td> <td>hundredths</td> <td>thousandths</td> </tr> <tr> <td>1000</td> <td>100</td> <td>10</td> <td>1</td> <td>•</td> <td>$\frac{1}{10}$</td> <td>$\frac{1}{100}$</td> <td>$\frac{1}{1000}$</td> </tr> </table> | Thousands | Hundreds | Tens | Unit | • | tenths | hundredths | thousandths | 1000 | 100 | 10 | 1 | • | $\frac{1}{10}$ | $\frac{1}{100}$ | $\frac{1}{1000}$ | 45.26 means 4 tens, 5 units, 2 tenths and 6 hundredths | M763, M704, M522, M527, M111, M431 |
| Thousands | Hundreds | Tens | Unit | • | tenths | hundredths | thousandths | | | | | | | | | | | | | |
| 1000 | 100 | 10 | 1 | • | $\frac{1}{10}$ | $\frac{1}{100}$ | $\frac{1}{1000}$ | | | | | | | | | | | | | |
| 2 | Adding and subtracting with integers and decimals | Adding and subtracting integers, use the column method. | | M928, M429, M347, M152 | | | | | | | | | | | | | | | | |
| 3 | Multiplying and dividing with integers and decimals | <p>Can be thought of as repeated addition.</p> <p>‘multiply’, ‘times’, ‘product’</p> <p>Splitting into equal parts or groups.</p> <p>The process of calculating the number of times one number is contained within another one.</p> <p>‘divide’, ‘share’</p> | $3 \times 6 = 6 + 6 + 6 = 18$ $20 \div 4 = 5$ $\frac{20}{4} = 5$ | M704, M522, M113, M911, M187, M803, M462, M354, M873, M262 | | | | | | | | | | | | | | | | |
| 4 | Directed numbers | <ul style="list-style-type: none"> • Adding a negative is the same as subtracting • Subtracting a negative is the same as adding | Move to the right to add and to the left to subtract | M763, M527, M106, M288 | | | | | | | | | | | | | | | | |
| 5 | Order of operations | <p>B - brackets</p> <p>I - indices</p> <p>D - division</p> <p>M - multiplication</p> <p>A - addition</p> <p>S - subtraction</p> | Work out $4 + 6 \times 5 + 9$ | M135, M521, M952, M409 | | | | | | | | | | | | | | | | |