

# iMaths 4 Investigations and Topics

The grid below shows the 12 Investigations and the associated Topics.

Investigation	Page	Topics
1 Ripper rides	20	<b>NA23</b> Equivalent fractions <b>NA33</b> Investigating patterns <b>MG12</b> Area <b>MG13</b> Area of irregular shapes <b>MG14</b> Angles <b>MG16</b> Tessellation
2 Keep the keys	28	<b>NA1</b> Properties of odd and even numbers <b>NA5</b> Multiples 3, 4, 5, 6, 7, 8, 9 <b>NA6</b> Multiplication facts 2, 3, 5, 10 <b>NA7</b> Multiplication facts 4, 6, 8, 9 <b>NA9</b> Division facts 2, 3, 5, 10 <b>NA10</b> Division facts 4, 6, 8, 9 <b>NA12</b> Backtracking <b>NA19</b> Division 2-digit $\div$ 1-digit <b>NA35</b> Equivalent number sentences
3 Plenty of pikelets	36	<b>NA8</b> Multiplication problem solving <b>NA17</b> Multiplication 3-digit $\times$ 1-digit <b>NA31</b> Simple budgets <b>NA32</b> Purchases and giving change <b>MG1</b> Graduated scales <b>MG5</b> Measuring mass <b>MG6</b> Litres and millilitres
4 The time of my life	44	<b>NA2</b> Place value beyond ten thousands <b>NA3</b> Expanded notation <b>NA8</b> Multiplication problem solving <b>NA13</b> Addition with larger numbers <b>NA14</b> Subtraction with larger numbers <b>NA15</b> Subtraction with zeros <b>NA16</b> Multiplying by tens and hundreds <b>NA17</b> Multiplication 3-digit $\times$ 1-digit <b>NA18</b> Split and multiply
5 Lengthy leaps	54	<b>NA27</b> Place value to tenths <b>NA28</b> Tenths on a number line <b>NA29</b> Place value to hundredths <b>NA30</b> Hundredths on a number line <b>MG1</b> Graduated scales <b>SP4</b> Organising data
6 iFlicks movie marathon	62	<b>MG9</b> Read and interpret timetables <b>MG10</b> am and pm <b>MG11</b> Timelines <b>SP4</b> Organising data <b>SP5</b> Column graphs
7 Aussie adventure	70	<b>NA4</b> Multiply and divide by 10, 100, 1000 <b>NA13</b> Addition with larger numbers <b>NA21</b> Round to 10 and 100 <b>NA22</b> Estimation strategies <b>MG3</b> Kilometres <b>MG15</b> Using maps <b>SP6</b> Picture graphs
8 Super sports stadium	78	<b>NA9</b> Division facts 2, 3, 5, 10 <b>NA10</b> Division facts 4, 6, 8, 9 <b>NA11</b> Division problem solving <b>NA12</b> Backtracking <b>NA19</b> Division 2-digit $\div$ 1-digit <b>NA20</b> Division strategies <b>NA34</b> Number patterns
9 Marble mash	86	<b>MG7</b> Volume <b>MG17</b> Combining shapes <b>MG18</b> Drawing prisms and pyramids
10 It's only natural	94	<b>NA5</b> Multiples 3, 4, 5, 6, 7, 8, 9 <b>NA33</b> Investigating patterns <b>MG2</b> Millimetres <b>MG4</b> Perimeter <b>MG5</b> Measuring mass <b>MG12</b> Area <b>MG13</b> Area of irregular shapes <b>MG16</b> Tessellation
11 Fraction fun	102	<b>NA6</b> Multiplication facts 2, 3, 5, 10 <b>NA7</b> Multiplication facts 4, 6, 8, 9 <b>NA9</b> Division facts 2, 3, 5, 10 <b>NA10</b> Division facts 4, 6, 8, 9 <b>NA23</b> Equivalent fractions <b>NA24</b> Fractions on a number line <b>NA25</b> Mixed numbers <b>NA26</b> Improper fractions
12 Nice dice	110	<b>MG2</b> Millimetres <b>MG17</b> Combining shapes <b>SP1</b> Probability <b>SP2</b> Judgments <b>SP3</b> Dependent and independent events <b>SP4</b> Organising data

The following Topic does not appear in any Investigation: **MG8** Converting units of time.