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Mathematics

Question Number to Topic Index

Foundation Tier

Edexcel GCSE

SET 2

The resource in a nutshell

This resource lists all of the topics examined in the SET 2 Edexcel GCSE Mathematics Foundation Papers along with the paper and question number where they appear.

The topics in **bold** show which topics appear on both foundation and higher papers.

Please note, the papers are an example to help revision, these topics can be tested in other ways and other topics may be included in the actual papers.

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The topics in **bold** appear on both the foundation and higher papers. The numbers in **bold** show the question number that the topic relates to.

	Number	Ratio	Algebra	Geometry	Probability	Statistics
Paper 1	<ul style="list-style-type: none"> Fractions, decimals, percentages <u>1</u> Decimal arithmetic <u>24</u> Fraction of an amount <u>9, 15</u> Fraction arithmetic <u>22</u> Order negative numbers <u>2</u> Multiples <u>3</u> Highest common factor <u>23</u> Prime numbers <u>28</u> Rounding <u>4, 17</u> Estimation <u>17</u> Money problem <u>7</u> Written calculation <u>13</u> Standard form conversion <u>25</u> Standard form calculation <u>25</u> 	<ul style="list-style-type: none"> Ratio <u>11</u> Direct proportion <u>16</u> Percentage of amount <u>15</u> Percentage profit <u>21</u> Converting units (time and weight) <u>5, 14</u> 	<ul style="list-style-type: none"> Simplification <u>8</u> Expand single bracket <u>8</u> Expand double bracket <u>20</u> Write and solve linear equation <u>12</u> Solve quadratic equation <u>20</u> Coordinates <u>10</u> Linear sequence <u>18</u> 	<ul style="list-style-type: none"> Properties of 2D shapes <u>12</u> Perimeter <u>12</u> Area of a kite <u>29</u> Reflection <u>19</u> Rotation <u>19</u> Constructions <u>26</u> Exact trig values <u>29</u> Trigonometry <u>29</u> 	<ul style="list-style-type: none"> Probability <u>11, 28</u> Expected outcome <u>28</u> Two way table <u>15</u> 	<ul style="list-style-type: none"> Bar chart <u>6</u> Pie chart <u>24</u> Stem and leaf <u>27</u> Averages <u>6</u>
Paper 2	<ul style="list-style-type: none"> Fractions, decimals and percentages <u>1</u> Ordering fractions <u>13</u> Fraction of an amount <u>18</u> Types of number, square numbers, cube numbers <u>5, 10</u> Factors <u>3</u> Use of indices <u>4</u> Money problem <u>6, 11</u> Calculator use <u>15</u> Rounding significant figures <u>15</u> Timetables <u>11</u> 	<ul style="list-style-type: none"> Use of ratio <u>14</u> Percentage increase <u>22</u> Direct proportion <u>23</u> Converting units (length) <u>2, 16</u> 	<ul style="list-style-type: none"> Changing the subject <u>17</u> Write an expression <u>7</u> Function machine <u>9</u> Solve linear equation <u>12</u> Simultaneous equations <u>24</u> Linear graph <u>20</u> Non linear graphs <u>26</u> 	<ul style="list-style-type: none"> Time <u>11</u> Angles in a triangle <u>14</u> Area of quadrilateral <u>22</u> Volume <u>16</u> Plans and elevation <u>19</u> Properties of 3D shapes <u>19</u> Pythagoras theorem <u>25</u> Trigonometry <u>25</u> Vector calculation <u>27</u> 	<ul style="list-style-type: none"> Probability <u>10</u> Conditional probability <u>18</u> Frequency tree <u>18</u> 	<ul style="list-style-type: none"> Pictogram <u>8</u> Scatter diagram <u>21</u> Averages <u>10</u>
Paper 3	<ul style="list-style-type: none"> Ordering decimals <u>1</u> Compare fractions and decimals <u>9</u> Fractions, decimals and percentages <u>5</u> Fraction of an amount <u>2</u> Calculate with negatives <u>14</u> BIDMAS <u>14</u> Multiples <u>4</u> Product of prime factors <u>16</u> Lowest common multiple <u>16</u> Rounding decimal places <u>22</u> Error interval <u>23</u> Standard form calculation <u>27</u> 	<ul style="list-style-type: none"> Write ratio <u>6</u> Ratio to fraction <u>6</u> Use of ratio <u>13</u> Percentage decrease <u>10</u> Inverse proportion <u>18</u> Speed <u>18</u> 	<ul style="list-style-type: none"> Factorise single bracket <u>17</u> Substitution <u>27</u> Solve linear equation <u>17</u> Write linear inequality <u>26</u> Solve linear inequality <u>26</u> Laws of indices <u>21</u> Non linear sequence <u>7</u> Quadratic graph <u>19</u> Distance time graph <u>8</u> 	<ul style="list-style-type: none"> Time <u>3</u> Area of sector <u>22</u> Angle properties <u>25</u> Angles in a polygon <u>25</u> Volume <u>26</u> Bearings <u>15</u> Scale drawing <u>15</u> 	<ul style="list-style-type: none"> Probability <u>24</u> Mutually exclusive events <u>9</u> Listing outcomes <u>12</u> Venn diagram <u>20</u> 	<ul style="list-style-type: none"> Frequency polygon <u>11</u> Mean from table <u>24</u>

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