Name: Date:

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| Divide by **2** | If the number at the end is 2, 4, 6, 8 or 0– ***it is an even number*** | 1456 … ends in 6 (Even)1456 ÷ 2 = 728 |
| Divide by **3** | If the digits add up to give a multiple of 3 – ***digit sum is in 3 times table*** | 2517 … 2 + 5 + 1 + 7 = 1515 ÷ 3 = 5 (1 + 5 = 6) |
| Divide by **5** | If the last digit is a 5 or a 0 **– it ends in 5 or 0.** | 1045 … ends with a 51045 ÷ 5 = 209 |
| Divide by **10** | If the last digit is 0 – ***it ends in 0.*** | 4780 … ends in a 04780 ÷ 10 = 478 |

Find the odd one out and write down the letter from the table opposite. All the letters will make a mathematical word. Try to find out what the word is. There will be three answers given.Choose one of them.**1.** 1. Which does not divide by **5**?: 20, 9, 375, 1110, 1230
2. Which does not divide by **2**?:12, 300, 132, 3, 3000
3. Which does not divide by **2**?: 18, 205, 376, 1110, 1234
4. Which does not divide by **10**?**:** 240, 1380, 156, 610, 10000

The word is . . . i. ii. iii. iv. Put a tick in the box which best describes this word

|  |  |
| --- | --- |
|  | A small angle |
|  |  |
|  | The average of a set of numbers |
|  |  |
|  | The top of a triangle. |

 | A | 205 |
| B | 1 |
| C | 61 |
| D | 914 |
| E | 3 |
| F | 15 |
| G | 143 |
| H | 137 |
| I | 94 |
| J | 60 |
| K | 72 |
| L | 307 |
| M | 9 |
| N | 156 |
| O | 12 |
| P | 67 |
| Q | 50 |
| R | 49 |
| S | 117 |
| T | 601 |
| U | 29 |
| V | 200 |
| W | 14 |
| X | 19 |
| Y | 22 |
| Z | 31 |

Name: Date:

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| **2.** 1. Which does not divide by **3**?: 27, 3450, 612, 61, 741
2. Which does not divide by **2**?:62, 130, 2000, 137, 524
3. Which does not divide by **10**?**:** 60, 300,1250, 205, -10
4. Which does not divide by **3**?: 84, 49, 567, 117, 3
5. Which does not divide by **5**?: 45, 605, 7230, 601, 115

The word is . . . i. ii. iii. iv. v. Put a tick in the box which best describes this word

|  |  |
| --- | --- |
|  | A type of shape |
|  |  |
|  | A drawing made with curves |
|  |  |
|  | A diagram used in statistics. |

**3.** 1. Which does not divide by **5**?: 180, 205, -15, 1310, 67
2. Which does not divide by **3**?:12, 300, 132, 307, 3000
3. Which does not divide by **10**?**:** 40, 1380, 29, 610, 10000
4. Which does not divide by **2**?: 84, 1890, 48, 117, -8

The word is . . . i. ii. iii. iv. Put a tick in the box which best describes this word

|  |  |
| --- | --- |
|  | Another word for add |
|  |  |
|  | Part of a square |
|  |  |
|  | The answer to a problem. |

 | A | 205 |
| B | 1 |
| C | 61 |
| D | 914 |
| E | 3 |
| F | 15 |
| G | 143 |
| H | 137 |
| I | 94 |
| J | 60 |
| K | 72 |
| L | 307 |
| M | 9 |
| N | 156 |
| O | 12 |
| P | 67 |
| Q | 50 |
| R | 49 |
| S | 117 |
| T | 601 |
| U | 29 |
| V | 200 |
| W | 14 |
| X | 19 |
| Y | 22 |
| Z | 32 |

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| **4.** 1. Which does not divide by **2**?: 28, 1230, 312, 49, 748
2. Which does not divide by **3**?:72, 174, 6000, 135, 205
3. Which does not divide by **10**?**:** 80, 300, 1750, 914, -10
4. Which does not divide by **3**?: 84, 94, 678, 114, 3
5. Which does not divide by **2** and **5**?: 70, 600, 720, 29, -40
6. Which does not divideby **2** and **3**?: 18, 300, 117, 72, -6

The word is . . . i. ii. iii. iv. v. vi. Put a tick in the box which best describes this word

|  |  |
| --- | --- |
|  | It is used to measure angles |
|  |  |
|  | A line drawn from the centre of a circle |
|  |  |
|  | A line of symmetry |

**5.** 1. Which does not divide by **2** and **5**?: 180, 290, 72, -30, 60
2. Which does not divide by **3** and **5**?: 300, 45, -45, 94, 105
3. Which does not divide by **2** and **3**?**:** 240, 601, -24, 540, 6
4. Which does not divide by **2** and **3** and **5**?: 90, 870, 180, 3

The word is . . . i. ii. iii. iv. Put a tick in the box which best describes this word

|  |  |
| --- | --- |
|  | Used to measure areas |
|  |  |
|  | A type of fraction |
|  |  |
|  | The name of a quadrilateral. |

 | A | 205 |
| B | 1 |
| C | 61 |
| D | 914 |
| E | 3 |
| F | 15 |
| G | 143 |
| H | 137 |
| I | 94 |
| J | 60 |
| K | 72 |
| L | 307 |
| M | 9 |
| N | 156 |
| O | 12 |
| P | 67 |
| Q | 50 |
| R | 49 |
| S | 117 |
| T | 601 |
| U | 29 |
| V | 200 |
| W | 14 |
| X | 19 |
| Y | 22 |
| Z | 32 |

**Answers:**

**1.**

i. 9; ii. 3; iii. 205; iv. 156;

The word is **M E A N**

The average of a set of numbers.

**2.**

i. 61; ii. 137; iii. 205; iv. 49; v. 601.

The word is **C H A R T**

A diagram used in statistics.

**3.**

i. 67; ii. 307; iii. 29; iv. 117.

The word is **P L U S**

Another word for add.

**4.**

i. 49; ii. 205; iii. 914; iv. 94; v. 29; vi. 117.

The word is **R A D I U S**

A line drawn from the centre of a circle.

**5.**

i. 72; ii. 94; iii. 601; iv. 3.

The word is **K I T E**

The name of a quadrilateral.