

| Zeros hurt your grades |     |     |     |     |     |     |     |     |     |      |      |     | Average |     |
|------------------------|-----|-----|-----|-----|-----|-----|-----|-----|-----|------|------|-----|---------|-----|
|                        |     |     |     |     |     |     |     |     |     | 100% | 100% | 0%  | 67%     |     |
|                        |     |     |     |     |     |     |     |     |     | 90%  | 90%  | 90% | 0%      | 68% |
|                        |     |     |     |     |     |     | 80% | 80% | 80% | 80%  | 80%  | 80% | 0%      | 67% |
| 75%                    | 75% | 75% | 75% | 75% | 75% | 75% | 75% | 75% | 75% | 75%  | 75%  | 75% | 0%      | 69% |

- 1) After the due date, late papers will be a zero until it is turned in.
- 2) Late papers will reduce the maximum possible score by 10% for each week late.
- 3) I will pull the grades after school on the day that they are due.
- 4) Assignments are due two days after they are received in class.

| Rules of Divisibility |  |
|-----------------------|--|
| 2                     | Ends with an even number   |
| 3                     | Sum of the digits is a number that is divisible by 3   |
| 4                     | Last two digits must be divisible by 4   |
| 5                     | Last digit is a zero or five   |
| 6                     | Meets the rules for 2 and 3  |
| 7                     | Double the last digit and subtract it from a number made by the other digits. The result must be divisible by 7. |
| 8                     | Last three digits are divisible by 8   |
| 9                     | Sum of the digits is a number that is divisible by 9   |
| 10                    | Last digit is a zero   |
| 11                    | Add and subtract digits in an alternating pattern. Then check if that answer is divisible by 11.                 |
| 12                    | Meets the rules of three and four.   |

| Why fractions are easier than decimals. |      |      |         |       |           |    |    |    |    |    |    |    |    |
|---|------|------|---------|-------|-----------|----|----|----|----|----|----|----|----|
| Terminating                             |      |      |         |       | Repeating |    |    |    |    |    |    |    |    |
| 2                                       | 4    | 5    | 8       | 10    | 3         | 6  | 7  | 9  | 11 | 12 | 13 | 14 | 15 |
| 0.5                                     | 0.25 | 0.2  | 0.125   | 0.1   | 17        | 18 | 19 | 21 | 22 | 23 | 24 | 26 | 27 |
| 16                                      | 20   | 25   | 32      | 40    | 28        | 29 | 30 | 31 | 33 | 34 | 35 | 36 | 37 |
| 0.0625                                  | 0.05 | 0.04 | 0.03125 | 0.025 | 38        | 39 | 41 | 42 | 43 | 44 | 45 | 46 | 47 |

How to change a repeating decimal to a fraction.

$$0.1\overline{57}$$

$$1000x = 157.\overline{57}$$

$$-10x = 1.\overline{57}$$

$$990x = 156$$

$$x = \frac{156}{990}$$