**Name: \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_ Mark =**

**Section A: Selected Response.** *Write the correct response on the space allocated.**(1 mark each)*

\_\_\_\_\_ 1. Which represents 5.5% as a decimal?

1. 0.055
2. 0.55
3. 5.5
4. 5.5

**\_\_\_\_\_** 2. 32.5% as a fraction in simplified form is:

\_\_\_\_\_ 3. Write as a percent.

*\_\_\_\_\_* 4. 110% of a number is 75. What is the number?

\_\_\_\_\_ 5. On Maple Leaf Day, 92% of the students wore a Toronto Maple Leaf hat. If 625 students wore a hat, how many students attended spirit day? (*Round to the nearest whole number.)*

1. 15
2. 50
3. 575
4. 679

\_\_\_\_\_ 6. Which simplified fraction represents the following hundreds grid:



\_\_\_\_\_ 7. The price of a lightsaber costs $125. This year it can be purchased for
 $175. What is the percent increase?

1. 29%
2. 40%
3. 42%
4. 71%

\_\_\_\_\_ 8. What is 150% of 80?

 a. 1.5

 b. 80

 c. 120

 d. 160

\_\_\_\_\_ 9. What is 0.7% of 30?

 a. 0.021

 b. 0.21

 c. 2.1

 d. 21

\_\_\_\_\_ 10. Leia and Han ate a meal that cost $74.99. If they left a $17.50 tip, what percent tip did they leave?

 a. 0.23%

 b. 4.3%

 c. 23%

 d. 430%

**Section B: Constructed Response.** *Complete all questions for this section. All workings must be
shown for full marks.*

1. Complete the following table. Make sure the fractions are written in simplified form:

*(6 marks)*

|  |  |  |
| --- | --- | --- |
| Percent | Decimal | Fraction |
| 120% |  |  |
|  |  |  |
|  | 2.23 |  |
|  | 0.25 |  |
|  |  |  |
|  |  |  |

1. Use a grid to represent each of the following percentages. Not all grids provided may need to be used. *(1 mark each)*
2. 164%



1. 22.12 %





1. Calculate the percentage of increase or decrease. *(Round answers to the nearest tenth*.)
 (2 *marks each)*
2. Poe bought a rare pistol for $125 and later sold it for $425. What is the percent increase?
3. The price of a computer is reduced from $1290 to $800. What is the percent decrease in price?
4. (a) A Denver Broncos Superbowl Champions T-Shirt is on sale for 20% off. If you save $16.50, what is the original price of the shirt? (2 marks)

 (b) After a price reduction of 85%, the sale price of a Montreal Canadiens jacket is $45. What was the original price of the jacket? (2 marks)

1. In a basketball tournament, Alex made 23 out of 80 shots and Mason made 38 of 145 shots. Which player had the better shooting percentage? (2 marks)
2. A Star Wars hoodie costs $100. It is now on sale for 15% off. However you must also pay 15% sales tax. Would the hoodie cost you $100, less than $100 or more than $100. Explain your reasoning. (2 marks)
3. It is Discount Days at the local Star Wars shop. All lightsabers are marked down at 30% off. George buys a light saber and saves $24.00. If tax is 15%, how much change does he get back from a $100? Show all workings. (4 marks)