Name:

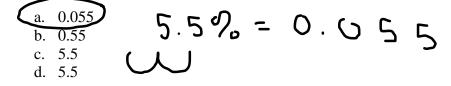
Mark = $\frac{1}{34}$

x= 679

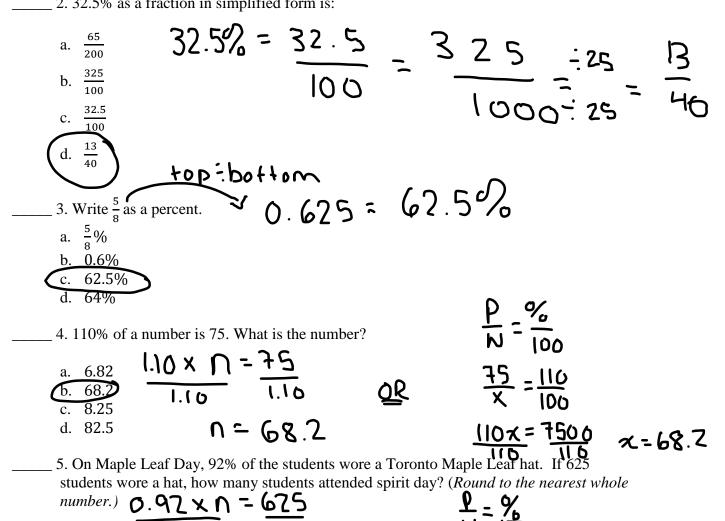
x = 62500

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

1. Which represents 5.5% as a decimal?



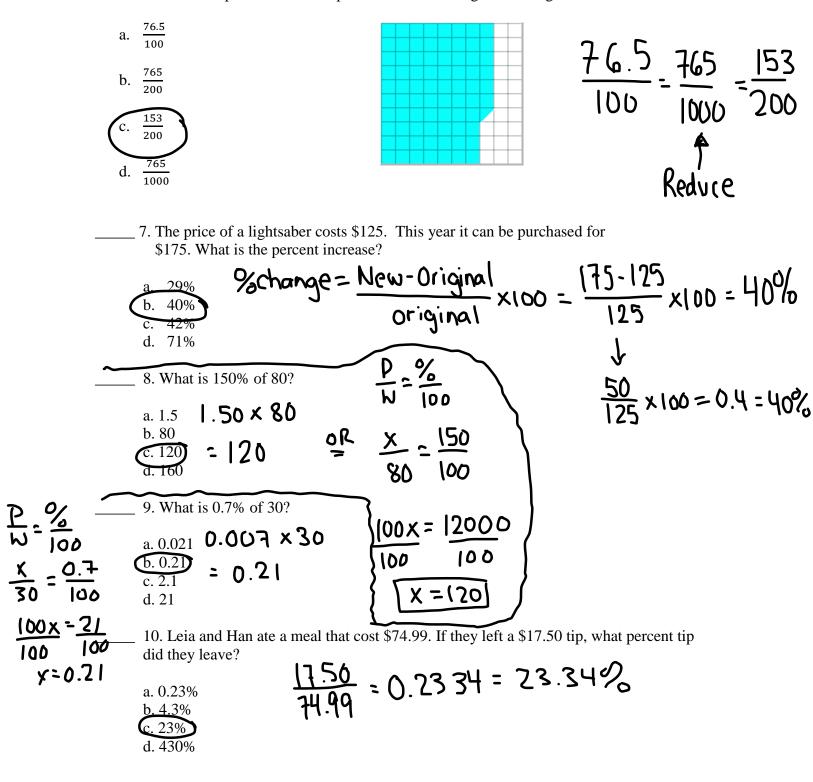
2. 32.5% as a fraction in simplified form is:



0.92

0.92

a. 15 b. 50 c. 575 d. 679



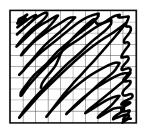
6. Which simplified fraction represents the following hundreds grid:

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:

Percent	Decimal	Fraction
120%	1.20	120 , 615
5 6 [%] = Λ Υ 2 %	0.0083	<u>5</u> 600
223%	2.23	223
25%	0.25	· <u> </u>
240%	2.4	$\frac{12}{5}$
0.125%	0.00125	$\frac{1}{800}$

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

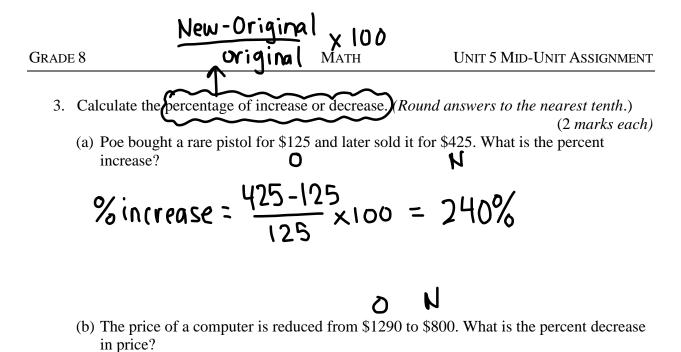




(b) 22.12 %

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4. (a) A Denver Broncos Superbowl Champions T-Shirt is on sale for 20% off. If you save or i give % ^(2 marks) \$16.50, what is the original price of the shirt? 100% - 20% = 80% 10.80^{-1} 10.8080% of Original is Sale price price 16.50 80<u>x</u> = 1<u>650</u> x=20.6 0.80 X (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) 100-85=1500 15% of originalis Sale 0<u>.15 x</u> 0.15 4

5. 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) Alex: $\frac{25}{80} = 0.2875 = 28.75\%$ Alex had the better shooting Mason: $\frac{38}{145} = 0.2621 = 26.21\%$ percentage 6. 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. Total Price with tax Explain your reasoning. Sale Price is 850% of \$100 $= 1.15 \times 85$ Sale Price = 0.85×100 : \$197.75 = \$85 The houdie would cost less than \$100, since 150% tax is applied to 7. It is Discount Days at the local Star Wars shop. All lightsabers are marked down at 30% Sole price 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) Discountris Total Price including taxes 30% (of) or iginal = 0.30 × $= 1.15 \times 56$ = \$64.40 80 = nfmount of Change = 100 - 64.40Original price is \$80 Sale Price = 80-24 = \$56