

Chapter 4 Test

For #1 to #5, choose the correct answer.

1. What is 78.2% as a decimal?

- A** 0.782 **B** 7.82 **C** 78.2 **D** 782

2. What is $\frac{3}{16}$ as a percent?

- A** 1.875% **B** 18.75% **C** 187.5% **D** 1875%

3. What is 12.5% as a fraction?

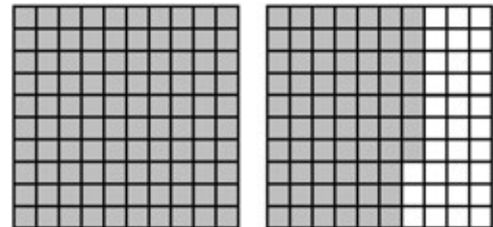
- A** $\frac{1}{8}$ **B** $\frac{3}{16}$ **C** $\frac{1}{4}$ **D** $\frac{3}{8}$

4. What is 3.194 as a percent?

- A** 3.194% **B** 31.94% **C** 319.4% **D** 3194%

5. One completely shaded grid represents 100%. What percent does the diagram represent?

- A** 0.167%
B 1.67%
C 16.7%
D 167%



Short Answer

6. Convert each of the following:

- a)** 48% to a decimal and a fraction in lowest terms
b) 3.375 to a percent and a fraction in lowest terms
c) $\frac{4}{5}$ to a decimal and a percent

7. Determine the following. Write your answer to the nearest tenth.

- a)** 94% of 63 **b)** 146.3% of 300
c) 7 out of 12 as a percent **d)** 18 out of 80 as a percent
e) 60% of 78 **f)** 0.05% of 1000

Name: _____

Date: _____

- 8.** Use hundred grids to represent each percent.
a) 0.25% **b)** 110% **c)** 33% **d)** 106.5%
- 9.** Mary is blowing up a birthday balloon. After the first breath, the balloon has a 5-cm diameter. The diameter increases at a constant rate of 20% each second. What is the diameter of the balloon after 3 s?
- 10.** During this basketball season Trey took 250 shots and made 72 baskets. What was his shooting percentage?
- 11.** A bus company offers a 15% discount on bus tickets one day and then an additional 10% off the sale price the next day. Lily wants to buy a bus ticket that has a regular price of \$175. What will she pay for it after the discounts?

Extended Response

- 12.** You have won a shopping spree worth \$200. You must buy at least 4 items of your choice. Each item is offered at a 25% discount.



- a)** Use a table such as the one shown here to determine the total cost of each item you choose including 5% GST and 6% PST. Show your work.
b) Total the cost of all of your items and calculate your change from the \$200 you won.

| Item | Original Price | Sale Price | Total Tax | Total Cost |
|------|----------------|------------|-----------|------------|
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