

Grade 8 Unit Assessment - Understanding Percent

Outcome N3 Demonstrate an understanding of percents greater than or equal to 0%

Multiple Choice (5 marks)

- Circle the choice that best answers the question.

1) What is 78.2% as a decimal?

- a) 0.782 b) 7.82 c) 78.2 d) 782

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

- a) 1.875% b) 18.75% c) 187.5% d) 1875%

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3) What is 12.5% as a fraction?

- a) $\frac{1}{8}$ b) $\frac{3}{16}$ c) $\frac{1}{4}$ d) $\frac{3}{8}$

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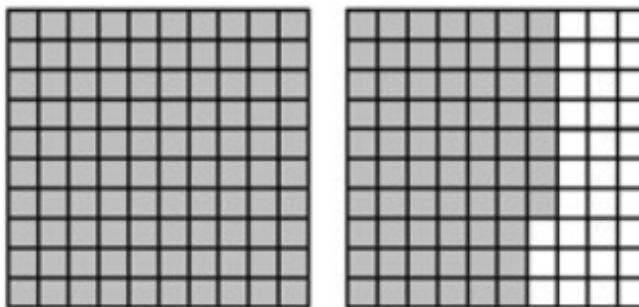
4) What is 3.194 as a percent?

- a) 3.194% b) 31.94% c) 319.4% d) 3194%

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

- a) 0.167%
b) 1.67%
c) 16.7%
d) 167%

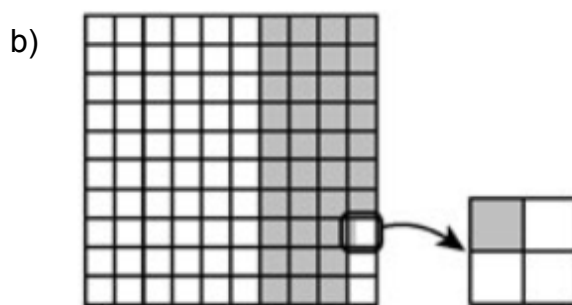
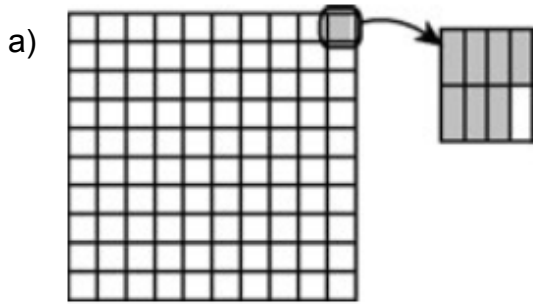


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Long Answer (19 marks)

- Show your work to receive full marks!

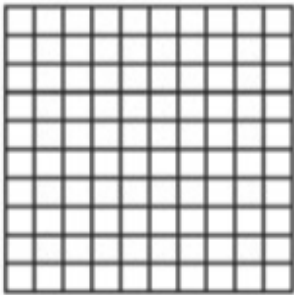
6) One completely shaded grid represents 100%. What percent does each diagram represent?



$\frac{2}{1}$

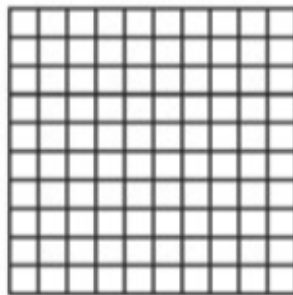
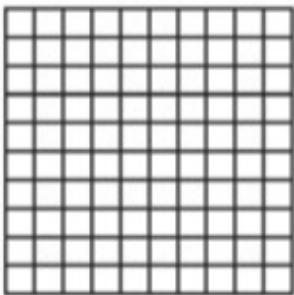
7) Use hundred grids to represent each of the following:

a) 33%



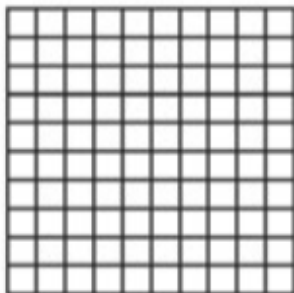
$\frac{1}{1}$

b) 106.5%



$\frac{1}{1}$

c) 0.25%



$\frac{1}{1}$

8) a) Convert 48% to a decimal

b) Convert 48% to a fraction (state in lowest terms)

$\frac{\quad}{2}$

9) a) Convert 3.35 to a percent

b) Convert 3.35 to a fraction (state in lowest terms)

$\frac{\quad}{2}$

10) a) Convert $\frac{4}{5}$ to a decimal

b) Convert $\frac{4}{5}$ to a percent

$\frac{\quad}{2}$

11) Determine the following. Round to the nearest tenth.

a) 94% of 63

b) 146.3% of 300

$\frac{\quad}{3}$

c) 0.05% of 1000

12) Nicky purchased a summer outfit with a price tag of \$35.99. Added to this price is 5% GST and 7% PST.

a) Determine the total taxes.

b) Determine the total cost for the outfit.

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13) An electronics store offered a 30% discount on headphones. The next week, the store offered a further discount of 15% on the already discounted price. The regular price was \$65. Determine the final sale price. Show your work!

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Challenge Yourself!!!

Your friend tells you that subtracting a 20% discount from the price of an item and then adding 12% for GST and PST taxes is the same as subtracting 8% from the price of the item. Is your friend correct? Explain your reasoning!!!!

Score for Percents : $\frac{\quad}{24} =$