SYDNEY GIRLS H.S .- 2010

## Consumer Arithmetic Topic Test. \ Sep 2010

Directions	<ul> <li>Full working should be shown in every question.</li> </ul>	Student Name :
	<ul> <li>Mark may be deducted for careless or badly arranged work.</li> <li>Use black or blue pen only .</li> </ul>	Mark:

Calculate the net income if gross income is \$1250 and tax is \$278.20.

b) A stockbroker earns an annual salary of \$82460. Calculate her total holiday pay if she takes her annual 4 weeks leave in May.

a) A ferry master is paid \$13.80 per hour for a 40-hour week, with overtime paid at the time and a half rate.

i) Find his net pay for a week when he worked for 45 hours and had PAYG tax deductions of \$229.98

ii) What percentage of his gross pay was paid in tax? (Answer correct to nearest whole percentage.)

b)	Christie wanted to buy a particular pair of jeans for \$130 but didn't have enough money so she decided to lay-by them. The store requires an initial amount of 20% of the cost of the jeans.
	i) How much did Christie pay to begin the lay-by?
	ii) If Christie pays off \$20 per week, how long will it be until she owns the jeans?
a)	Giulia needs to purchase a jar of olives. There are three different jars of her favourite brand on the shelves at the Supermarket. The 700 g jar costs \$3.50, the 450 g jar costs \$2.20 and the 300 g jar costs \$1.90. Which size jar Offers best value for money?
b)	A sewing machine is priced for sale at \$480. The sewing machine is discounted by 15% during the mid-year sale, and a customer is given a further 5% discount for paying by cash. Find the purchase price of the sewing machine.

3.

4. ,	At our school fete we charged each of the 687 people who attended an entrance fee of \$1.50 and received \$5860.50 from the sale of goods. We paid out \$380 for music , \$158 for decorations and prizes , \$74 for cleaning and \$465 for advertising. How much money did we make, and what percentage was this of the sum received?
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5.	Explain why the GST on an item can be found by dividing its selling price by 11. Justify your answer by giving one
ο.	example.
6.	Is a discount of 10% following a discount of 15% the same as a discount of 25%? Justify your answer, giving examples and reasons.

## Find the taxable income of an employee who paid \$13358.20 in tax?

7.,

Taxable Income	Tax on this income
\$1 - \$ 6000	Nil ·
\$ 6001 - \$ 20,000	17 cents for each \$ 1 over \$6000
\$ 20001 - \$ 50000	\$ 2380 + 30 cents for each \$ 1 over \$20000
\$ 50001 - \$ 60000	\$ 11380 + 42 cents for each \$ 1 over \$50000
\$ 60001 and over	\$ 15580 + 47 cents for each \$1 over \$ 60000

## SYDNEY GIRLS H.S. - 2010

## Consumer Arithmetic Topic Test



- Directions
- Mark may be deducted for Full working should be shown in
  - Student Name:
- Use black or blue pen only careless or badly arranged work.
  - Mark:
- a) Calculate the net income if gross income is \$1250 and tax is \$278.20.

₽ A stockbroker earns an annual salary of \$82460. Calculate her total holiday pay if she takes her annual 4 weeks

4 x \$1585, 77=\$6343.08 V

- <u>a</u> A ferry master is paid \$13.80 per hour for a 40-hour week, with overtime paid at the time and a half rate.
- i) Find his net pay for a week when he worked for 45 hours and had PAYG tax deductions of \$229.98

ii) What percentage of his gross pay was paid in tax? (Answer correct to nearest whole percentage.)

35% was paid in tax

Christie wanted to buy a particular pair of jeans for \$130 but didn't have enough money so she decided to lay-by them. The store requires an initial amount of 20% of the cost of the jeans.

i) How much did Christie pay to begin the lay-by?

:. Christie had to pay \$26 to begin the lay-by

ii) If Christie pays off \$20 per week, how long will it be until she owns the jeans?

$$\frac{104}{20} = 5.2$$

Giulia needs to purchase a jar of olives. There are three different jars of her favourite brand on the shelves at the Supermarket. The 700 g jar costs \$3.50, the 450 g jar costs \$2.20 and the 300 g jar costs \$1.90. Which size jar

$$0.700g = \frac{3504}{14} 0.450g = \frac{2204}{9}$$

50g=24,44¢

SOg = 254

$$50g = 24.44$$
¢

A sewing machine is priced for sale at \$480. The sewing machine is discounted by 15% during the mid-year sale, .. The 450g join is the jour size that offers best value for

₽

and a customer is given a further 5% discount for paying by cash

Find the purchase price of the sewing machine

... The final purchase price would be \$387.60 for the swing machine

At our school fete we charged each of the 687 people who attended an entrance fee of \$1.50 and received \$5860.50 from the sale of goods. We paid out \$380 for music, \$158 for decorations and prizes, \$74 for cleaning and \$465 for advertising. How much money did we make, and what percentage was this of the sum received?

= 0.84 (2dp)

Explain why the GST on an item can be found by dividing its selling price by 11. Justify your answer by giving one

The GST of an Hern is 10% of the price added on top

$$\|0'/$$
 Is a discount of 10% following a discount of 15% the same as a discount of 25%? Justify your answer, giving examples and reasons.

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 $$100 \times (1.00 - 0.75)$ 

25'0x 0015 -

= 575

One discount 7 multiple dix

05.94年56.80

.. The one discount of 25% is not the same as multiple discounts of 10% and 15%.

Find the taxable income of an employee who paid \$13358.20 in tax?

7.1

Taxable Income	Tax on this income
\$1-\$ 6000	Nil ·
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