

Numeracy for Work and Community Life Skills and Applications Task

1. Write out and explain the terms:

- Income
- Net income
- Gross salary
- Commission

2. Working out your salary

Josh works at Harry's Cafe and earns \$6.24 per hour. Last week he worked 17 hours. How much did Josh earn?

Josh worked 23 hours the following week. How much did he earn?

You have been drafted to an AFL team. Your contracted salary is \$201 600
What is your fortnightly salary?

3. Work through the Wombat Warriors Football Club worksheet.
Complete all parts of it.

4. Select suitable extension activities, e.g. overtime, holiday loading and include these with your assessment task.

Wombat Warriors Football Club

Congratulations!!! You have been drafted to play for the Wombat Warriors Football Club; your family is so proud of you!

- 1) Your manager has negotiated your match payments. You will receive \$300 a game. How much will you earn in an 18-round season?
- 2) There are some costs you had not expected. The club pays all your medical expenses and deducts \$15.00 per game to cover this. How much are they deducting from your salary for 18 games?
- 3) You need a pair of footy boots that cost \$150.00 and the Wombat Warriors pay 50% of the cost of our new boots. How much do you have to pay?
- 4) Hey, wait a minute!!! Your manager has just billed you for his Management Fee - 15% of your yearly match payment. How much do you owe him?

Numeracy for Work and Community Life (Skills and Applications Task)

(Complete all questions and calculations on this work sheet.)

① Income: Money that comes in to you.

Net Income: All the money that come in from your salary.

③ Fortnightly Salary:

$$\begin{array}{r} \$201,600 \\ \div \quad 26 \text{ Fort. nights} \\ \hline \$7753.84 \end{array}$$

Gross Salary: Money before being taxed.

Commission: What you can earn on sales. (extra payment)

② Josh's Salary: earns \$6.24/hour. How much would he earn if he worked 17 hours? or b) 23 hours

a)

$$\begin{array}{r} \$6.24 \\ \times \quad 17 \text{ hours} \\ \hline 43.68 \\ + 62.40 \\ \hline \$106.08 \end{array}$$

b)

$$\begin{array}{r} \$6.24 \\ \times \quad 23 \text{ hours} \\ \hline 187.2 \\ + 124.80 \\ \hline \$143.52 \end{array}$$

Wombat Warrior:

a)

$$\begin{array}{r} \$300 \\ \times \quad 18 \text{ rounds} \\ \hline 2400 \\ + 3000 \\ \hline \$5400 \end{array}$$

b)

$$\begin{array}{r} \$5400 \\ - \$15 \\ \times 18 \\ \hline 120 \\ + 150 \\ \hline -270 \\ \hline \$5130 \end{array}$$

c)

$$2 \overline{) 150} \begin{array}{l} 75 \\ 150 \end{array}$$

15% OFF \$5400

$$\begin{array}{r} 360 \\ \overline{) 15400} \\ 15130 \end{array}$$

Numeracy for Work and Community Life

$\begin{array}{r} 270 \\ \times 7 \\ \hline 1890 \end{array}$	$\begin{array}{r} 386 \\ \times 20 \\ \hline 000 \\ 7720 \\ \hline 6720 \end{array}$	$\begin{array}{r} 26 \\ \times 37 \\ \hline 19170 \\ 4473 \\ \hline 23643 \end{array}$	$\begin{array}{r} 6237 \\ \times 46 \\ \hline 37422 \\ 249480 \\ \hline 286902 \end{array}$
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$$\begin{array}{r} \$23.7 + \$49.10 = \\ + 49.1 \\ \hline = \$72.8 \end{array}$$

$$\begin{array}{r} \$2.09 + \$38.1 = \\ + 38.10 \\ \hline = \$40.19 \end{array}$$

$$\begin{array}{r} \$3.70 + \$0.15 + \$21.90 = \\ 0.15 \\ + 21.90 \\ \hline = 25.75 \end{array}$$

TARSI is catering for a barbeque for a visiting class. The budget for this event is \$150.00. From the information provided, work out the cost of the meal.

Kangabangas 10 packets @ \$3.50 per packet, bread 4 loaves @ \$2.20 per loaf, tomato sauce one large bottle @ \$3.75, one packet paper plates @ \$4.25, five kilos of sizzling steak @ \$7.00 per kilo. (Show all of your calculations.)

$\begin{array}{r} \text{Kangabangas} \\ \$3.50 \\ \times 10.00 \\ \hline = \$35 \end{array}$	$\begin{array}{r} \text{Bread} \\ \$2.20 \\ \times 4.00 \\ \hline = \$8.80 \end{array}$	$\text{sauce} \\ + \$3.75$	$\text{plates} \\ + \$4.25$	$\text{steak} \\ + \$7.00 \\ \times 5 \\ \hline = \35
$\begin{array}{r} 35.00 \\ + 8.80 \\ + 3.75 \\ + 4.25 \\ + 35.00 \\ \hline = \$86.80 \end{array}$				

What is the total cost of the meat for the barbeque?

$$\begin{array}{l}
 10 \times \$3.50 \\
 4 \times \$2.20 \\
 1 \times \$3.75 \\
 1 \times \$4.25 \\
 \hline
 5 \times \$7.00
 \end{array}$$

$$\begin{array}{r}
 7 \text{ (dollars) per kilo} \\
 \times 5 \text{ (kilos)} \\
 \hline
 35 \rightarrow \$35
 \end{array}$$

The budget for the barbeque is \$150. What amount remains to purchase drinks?

$$\begin{array}{r}
 35 \\
 35 \\
 88.80 \\
 4.25 \\
 + 3.75 \\
 \hline
 \$86.80
 \end{array}$$

$$\begin{array}{r}
 \$150.00 \leftarrow \text{BUDGET} \\
 - 86.80 \leftarrow \text{SPENT} \\
 \hline
 \$63.20 \leftarrow \text{LEFT ON TO BUY DRINKS}
 \end{array}$$

\$63.20 ✓

Stage 1 Numeracy for Work and Community Life
Indigenous Academy Art Gallery Assignment
(Skills and Applications Task)

- 1) a) At our silent auction, 6 pieces of TARSI students' art work were sold. Two pieces were sold for \$230, one was sold for \$175, another for \$80, and two were sold for \$50 each. How much money was raised at the auction?

b) In order to produce our paintings we purchased \$138 worth of paint, \$90 worth of canvas and \$35 worth of brushes. What was the total profit made at the silent auction?

- 2) At Warmun Art Gallery in the Kimberley Ranges local artists are paid a salary to prepare and produce paintings for the gallery and to demonstrate to tourists how the paintings are produced.

Timmy Mosquito is paid \$10 per hour. In one week Timmy worked for 17 hours. How much did he earn in one week?

- 3) Josh's grandmother Margaret has sent 3 of her dot paintings to be sold at the silent auction. For "Goanna Eggs" she wants \$220. TARSI also needs to make a profit on the sale. If we mark up the painting by 20% how much would TARSI make on the sale?

- 4) You are offered part-time employment as a salesperson for the TARSI Art Gallery and you are paid by commission. You receive 12% commission on all sales you make. Last week you sold \$18 560 worth of paintings. How much did you earn?

- 5) A rival gallery has offered you employment. TARSI Gallery offers you \$21.00 per hour for 15 hours per week and 12% commission on sales. Goanna Gallery offers you \$26.00 per hour for 25 hours per week with no commission. Which offer will you choose and why?

Numeracy for work and Community Life.

$$\begin{array}{r} 1a) \quad \$230 \\ \quad \$230 \\ \quad \$275 \\ \quad \$80 \\ \quad \$50 \\ + \$50 \\ \hline \$815 \end{array}$$

$$\begin{array}{r} b) \quad \$138 \\ \quad \$90 \\ + \$35 \\ \hline \$263 \end{array}$$

paint
canvas
brushes

$$\begin{array}{r} c) \quad \$815 \\ - \$263 \\ \hline \$552 \end{array}$$

$$\begin{array}{r} 2a) \quad \$ \times 10 \text{ hrs} \\ \quad \underline{00} \\ \quad 170 \\ \hline \$170 \end{array}$$

3a) 20% of \$220

$$= \frac{20}{100} \times 220$$

$$= 44$$

∴ The painting will be marked up to,

$$\begin{array}{r} \$220 \\ + 44 \\ \hline \$264 \end{array}$$

4a) 12% of \$18,560

$$= \frac{12}{100} \times 18,560$$

$$= \$2,227.20$$

5a) TARSI offers \$21 per hour, 15hrs per week.

$$\begin{array}{r} \therefore \$21 \\ \times 15 \\ \hline 105 \\ 210 \\ \hline \$315 \end{array}$$

Goanna offers \$26 per hour, 25hrs per week.

$$\begin{array}{r} \therefore \$26 \\ \times 25 \\ \hline 130 \\ 520 \\ \hline \$650 \end{array}$$

However TARSI also offers 12% commission, on sales.

Judging my estimate of 5-6 sale a week at \$100-\$300, so say an average of \$300.

$$\begin{array}{r} \text{so, } 5 \\ \times 300 \\ \hline \$1500 \end{array}$$

$$= 12\% \text{ of } \$1500$$

$$= \frac{12}{100} \times 1500$$

$$= \$180$$

$$\begin{array}{r} \therefore \text{TARSI weekly } \$315 \\ + \$180 \\ \hline \$495 \end{array}$$

\therefore I'd rather go with Goanna Gallery better offer.

Stage 1 Numeracy for Work and Community Life Indigenous Academy Art Gallery Assignment (Skills and Applications Task)

Visit the Australian Aboriginal Art Mbantua Online Gallery www.mbantua.com.au/gallery.

You want to invest in Aboriginal Art but you have a budget. Your budget per month for your personal art collection is \$300.

What is your yearly budget for art?

List the pieces you will purchase with your budget and the cost of each. What amount will you be paying out after one year?

Select your most expensive piece of art. You want to sell this and increase the sale price by 25% to make a profit. How much will you sell the art piece for?

Numeracy for Work and Community Life.

$$1a) \begin{array}{r} \$300 \\ \times 12 \text{ months} \\ \hline \$3600 \end{array}$$

$$b) \begin{array}{r} \$3600 \\ - 320 \text{ MB028335} \\ - 645 \text{ MB004407} \\ - 1750 \text{ MB009467A} \\ \hline \$885 \end{array}$$

$\therefore \$2715$ will be payed out through the year.

$$c) \$1750 (25\%)$$

$$= \frac{25}{100} \times 1750$$

$$= \$437.5$$

$$\therefore \begin{array}{r} \$1750 \\ + 437.5 \\ \hline \$2187.5 \end{array}$$

\therefore I will sell the painting for \$2187.5

Stage 1 Numeracy for Work and Community Life (Skills and Applications Task)

Section 1

This is a painting of My Country.

I will place it on silent auction; my reserve price is \$200.

If I reach my reserve price I will donate 10% to the TARSI Gallery.

10% of my reserve price is?

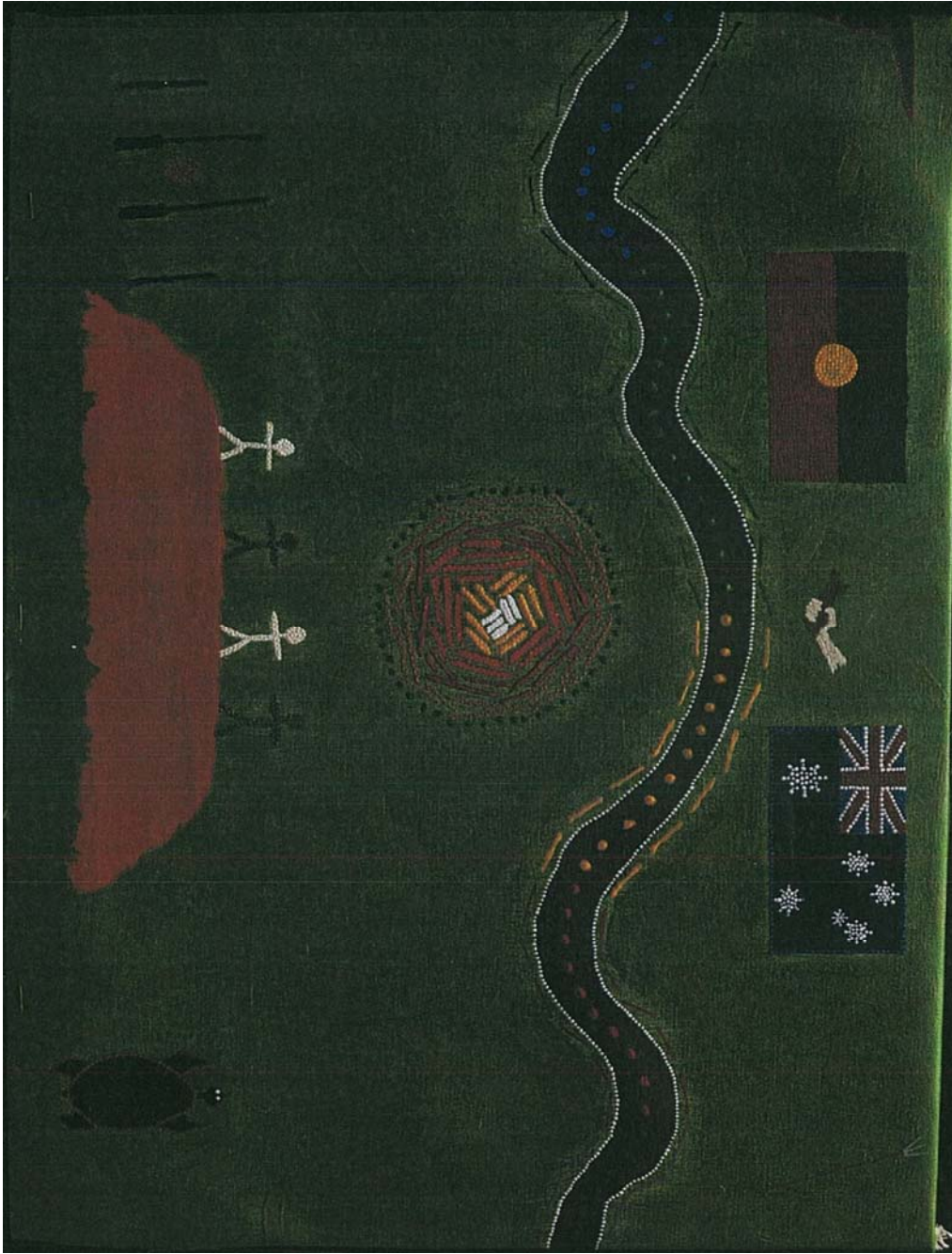
$$\frac{10}{100} \times \$200$$

$$= \$20$$

Section 2

Total all of the reserve prices from your fellow classmate painters. How much will TARSI make from the sale of all of these paintings?

<p>200 - tom 150 - syrus 200 - josh 170 - alvin 100 - ryan 100 - gordon 180 - kieffen</p>	<p>\$20 - tom ✓ \$15 - syrus ✓ \$20 - josh ✓ \$17 - alvin ✓ \$10 - ryan ✓ \$10 - gordon \$10 - kieffen ?</p>	<p>TARSI WILL RECEIVE \$103.</p>
	<p>\$200 \$103</p>	



This picture has been altered to remove any identification of the student and the school.