Self-directed Clarifying Activity – Assessment Type 1: Skills and Applications Tasks – Percentage Assessment

1. Use the annotated performance standards and student work sample to compare your interpretation of the performance standards and recalibrate your assessment decision (if necessary).

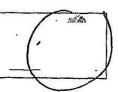
Assessment Decision = D

Please see annotations below

	Knowledge and Understanding	Application	Communication
D	Location of some mathematical information in a narrow range of highly familiar everyday contexts.	Gathering and representation of data with some accuracy to attempt to find solutions to questions set in everyday contexts.	Use of a narrow range of notation and other basic representations to communicate simple mathematical processes, in mostly simplistic language.
	Some knowledge and understanding of a narrow range of numeracy skills and strategies required to complete a task or tasks in an everyday context.	Selection and application of one or more mathematical processes to find solutions to some questions set in highly familiar contexts.	
		Use of one or more technologies to access or communicate information.	
		Undertaking of some individual work and a limited contribution to group work in carrying out tasks.	

Percentage Assessment

- Skills Test NAME:



S1-Understanding Percent

- 1. What do the following Percentages equal?

- d) 451% 4, SI
- $\frac{e) 0.08\%}{1000} = 0.00000$

S2 - Converting Percent

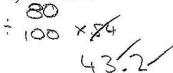
- 2. Convert the following TO a percent.
- a) 7.52

d)
$$\frac{341}{205}$$

e) $\frac{14}{647}$ 2.16

3 - Calculating Percent

- 3. Calculate the following. Show working.
- a) 80% of 54



b) 17.5% of 685 m

$$\frac{17.5}{100} \times 685$$

c) 81.3% of 2'678 people

= 2177.2 people K.

d) 435% of \$24.00

e) 0.8% of \$2'985.

- S4)- Changing Percent
- 4. Calculate the following. Show working.
- a) 35% increase of 385

Routine questions.

b) 6% decrease of 756 metres

c) 24.8% increase \$762.39

- 16.37X



Percentage Assessment

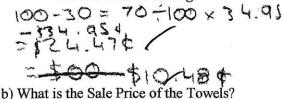
- Application Taşk NAME:

REMEMBER to show ALL your calculations.

1. Sales and Discount



a) What is the Discount on the Towels? Show working.





2. Profit and Coss.

At a Garage Sale, Frank bought an old cupboard for \$25. If he does it up then sells it for 80% more, does he make a Profit or a Loss? Protit

b) How much is it? Show working.

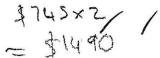


c) What did he sell it for? Show working.

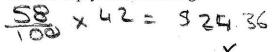
3. Tax and Superannuation

Rita worked for two weeks at \$745 per week.

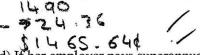
a) How much did she earn? Show working.



b) If her tax rate was 42% how much tax did she have to pay? Show working.



c) How much pay did she actually receive?



d) If her employer pays superannuation of 7% on Earnings, how much is this?

e) If her employer also pays Workcover at the rate of 0.7%, how much is this?

Knowledge and **Understanding** Can locate some mathematical information in a narrow range of highly familiar everyday

contexts.

Knowledge and **Understanding** Some knowledge and understanding of a narrow range of numeracy skills and strategies required to complete a task or tasks in an everyday context.

4. Wages and Commission

Which is the better Pay Deal on sales worth \$318'500?

A. Salary of \$1145 plus 0.68% commission OR

B. 1.02% commission only.

Remember to show working.

\$3248.70¢

Application Selects and applies one or more mathematical processes to find solutions to questions in highly familiar contexts.

Communication Simple processes. Simplistic language.

Which is the better deal - A or B?

5. Changing Value

Work out the value of a \$312'000 house after 5 years if it appreciates by 7.2% each year?

- a) What is the Percentage Multiplier? 312,000
- b) Draw up and complete an Appreciation Table in the space below.

- b) What is the Total Amount that has to be paid back? Show working.
- c) How many months does this loan run for? Show working.
- d) What are the monthly repayments on this loan? Show working.
- 7. Challenge 1. The label on a 650 mL Fruit Drink says that 5% is Fruit Concentrate and the rest is water. How many mL of water are in the Fruit Drink?

8. Challenge 2. The sign in a Bulk Buy Store shows the following Discounts

Bulk I	Bulk Buy Discount Deals		
BUY 0-10	BUY 11-25	BUY 25+	
PAY	GET	GET	
NORMAL	10%	12%	
PRICE	DISCOUNT	DISCOUNT	

a) How much would you pay if you bought 32 items for \$4.45 each?

c) How much value did the house gain over the 5 years? Show working.

6. Loans and Interest

a) Calculate the Interest on a \$17'500 loan borrowed at an Interest Rate of 7.95%pa for 7 years. Show working.

b) How much change out of \$200 cash?