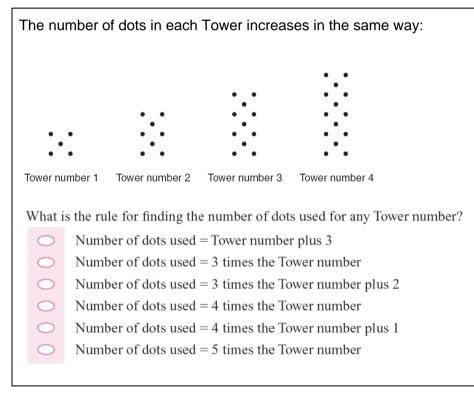
Numeracy Year 9 – Week 4: Algebra

## STUDENT WORKSHEET

# Focus of the week

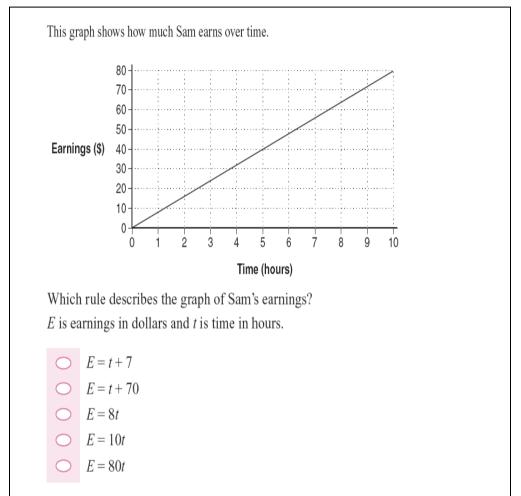
Linking rules in tabular and graphical forms

#### **Question 1**





### Question 2



# Numeracy Year 9 – Week 4: Algebra



### STUDENT WORKSHEET

## **Question 3**

Jen is making	g this brick patt	ern.	]		Shade one bubble.	
Shape 1	Shape 2	Shape 3			Shape 4	
This table sh	ows the number	r of brick		eds for	each shape in her	pattern.
Number	Number of bricks			16		
Select the number', S		ʻNuml	per of	brick	s', <i>B</i> , in term	s of the 'Shape
B = 2	S	B = 3	S -2		$B = S^2$	B = 4S - 3

# **Challenge Question**

Here is	s a tabl	e of val	lues for	r x and	у.				
x	0	0.5	1	1.5	2				
У	0	0.5	2	4.5	8				
Which of these is a correct rule for $y$ in terms of $x$ ?									
y = x			y =	2x		y = 3x	$y = 2x^2$		
$\bigcirc$			$\subset$	)	$\bigcirc$		$\bigcirc$		