- Write as a decimal Key Skills
- 27 = ۵ 6.1 x 10⁻² =
- 3.5% = و 5 hundredths =

છ <u>a</u>

- Simplify.
- \$ 133 11 9 225:45 =
- Divide \$93.28 in the ratio 11:5
- 흏 of 1.2L =
- 160% of \$25000 =

5a) What fraction is 360g of 4.2kg?

- b) What percentage is 22 students of 1500?
- Give your answer in standard form
- 7. Increase 375mg by $\frac{2}{15}$



 A grower has sown seeds in 4 plots. Applications

Seeds germinated	Seeds sown	and the second second
1 28	8	
570	89	
274	8	100
88	형	800

Which plot has the highest germination rate (percentage of sown seeds to germinate)?

<u>e</u>

- b) What is the average germination rate over all four
- Ņ Five hundred grams of Edam cheese cost \$4.35.
- B Find the cost of 950g of Edam cheese.
- 3a) Amanda paid \$385 for a bike which she sold a

week later for \$340. What was her percentage

b) A block of cheese cost \$3.70. How much does it

- \$3.20 GST was added to the price of a hammer What is the price of the hammer including the loss?
- 12.5% GST?



Problems

Robyn is renovating her bathroom. She has chosen tiles which come in boxes of 38, at \$40 per box. The area to be tiled is 9m² and 25 tiles cover 1m². Her DIY book advises buying 8% extra tiles to cover breakages and cutting haives. How much do the tiles cost?

.....



- Two years ago fresh Snapper cost \$15 per kg, the price goes up by 10% each year.
- a) How much does Snapper cost now per kg? Ņ
- ङ How many grams of Snapper can now be bought with \$15?



of blood at a time. How many red blood cells do blood donors give each time they donate? Round sensibly The body has about 4.8L of blood with about 2.5 x 10¹³ red blood cells. Blood donors give about 430mL

ω

Revision

90 Qh

ALGEBRA

\$ 8 B

Revision

Paving Pattern



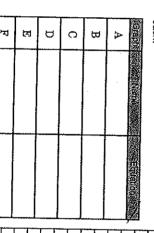


			<u>a</u>
	B	×	Stud
\$	20	င	y the
o	0	4	Study the pattern and fill in the table.
			n and
			# 5
_			the ts
			<u>6</u>
ĺ			

- If the square has side n, find a formula for...
- (i) number of crossed tiles : c =
- (ii) number of grey tiles : (iii) number of white tiles: 09 II
- Erica made a square of this paving pattern. She used 225 white tiles. How many grey tiles did ₩ #
- 2a) $t_n = 2n^2 n$. Write down the first five terms.
- b) Write a rule for this sequence: 100, 94, 88, 82, ... F |

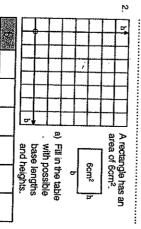
| Dangerous Curves Ahead

Name each curve and work out an equation for each.



Lines & Curves

- a) Find the x-intercept 1. The line in this graph has equation $2x + 3y \approx 8$.
- and the y-intercept.
- x-int = (..... y-int. = (......)
- c) Solve simultaneously 2x + 3y = 8, 2y = x + 3b) In the same graph draw the line $y = \frac{x+3}{2}$



Piot base against height. What is the name of the curve?

g

