

Fish and Chips

ACTIVITY

1. The Fresh Fish Shop displays its prices for fish and chips.

Fish		Chips	
Number of pieces	Price	Number of scoops	Price
1	\$1.50	1	\$1.80
2	\$3.00	2	\$3.60
3	\$4.50	3	\$5.40
4	\$6.00	4	\$7.20
5	\$7.50	5	\$9.00

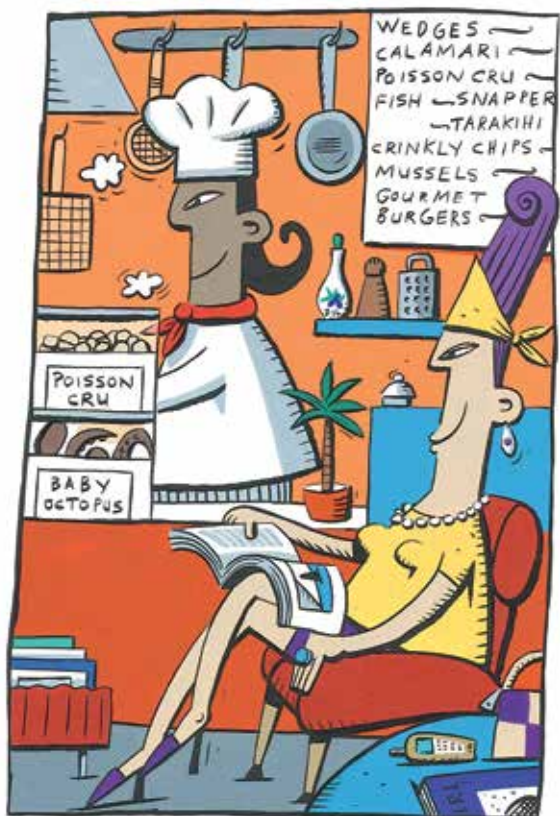
- Andy's family is buying fish and chips for dinner. They want 4 fish and 2 scoops of chips. How much will they pay?
- How much would Andy's family pay for 8 pieces of fish and 5 scoops of chips?
- In the formula below, t stands for the total charge, f stands for the number of pieces of fish, and c stands for the number of scoops of chips. Write out the formula and enter the prices that go in the boxes.

$$t = \boxed{} \times f + \boxed{} \times c$$

- Andy uses his formula to make a table showing the total price for fish and chips. Complete Andy's table.



Number of pieces of fish	Number of scoops of chips					
	0	1	2	3	4	5
0	0	1.80	3.60	5.40	7.20	9.00
1	1.50					
2	3.00		6.60			
3	4.50					
4	6.00					
5	7.50				14.70	



- Down the road, the Gourmet Fish Shop uses the formula $t = 3 \times f + 2 \times c$ to work out its charges for fish and chips. What is the price of:
 - a piece of fish?
 - a scoop of chips?
 - A customer spends \$24 on fish and chips at the Gourmet Fish Shop. How many pieces of fish and how many scoops of chips might the customer have bought? (Hint: Make a table like the one Andy made. You will need to extend it for more than 5 fish and 5 scoops of chips.)