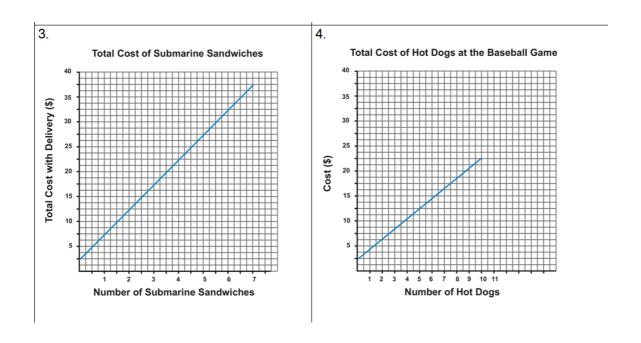
## **Modelling Linear Relations with Equations Food Frenzy**

## A: <u>Teacher</u> Partner B: <u>Students</u>

Write the **equation** for each relationship in the space provided. Show any calculations you made. Indicate if the relation is a partial or direct variation.

A coaches B	B coaches A
A family meal deal at Chicken Deluxe costs \$26, plus \$1.50 for every extra piece of chicken added to the bucket.	A Chinese food restaurant has a special price for groups. Dinner for two costs \$24 plus \$11 for each additional person.



5. Number of Toppings Pizza (\$)

0 9.40

1 11.50

2 13.60

3 15.70

4 17.80

Number of Scoops	Cost of Ice Cream with Sugar Cone (\$)
0	1.25
1	2.00
2	2.75
3	3.50
4	4.25

## **5.8.1: Modelling Linear Relations with Equations** (continued) From Here to There

A C Teacher

Write the equation for each relationship in the space provided. Show any calculations you made. Indicate if the relation is a partial or direct variation.

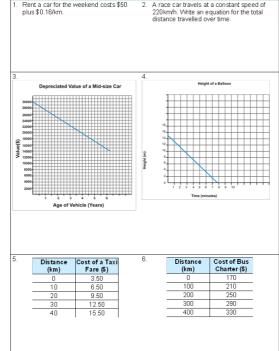
A coaches B

1. Rent a car for the weekend costs \$50 plus \$0.16/km.

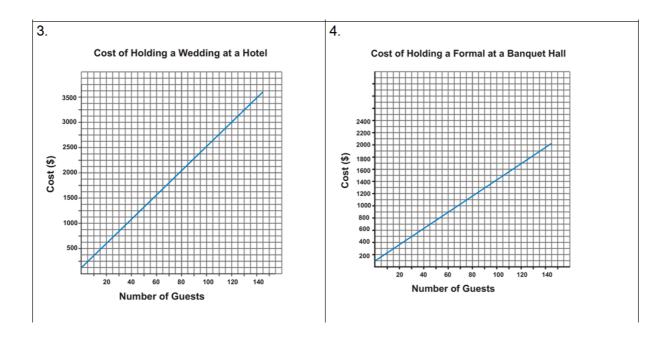
B coaches A

2. A race car travels at a constant speed of 220km/n. Write an equation for the total distance travelled over time.

6.



	A coaches B		B coaches A
1.	A banquet hall charges \$100 for the hall and \$20 per person for dinner.	2.	The country club charges a \$270 for their facilities plus \$29 per guest.



5.	Number of Athletes	Cost of Attending a Hockey Tournament
	0	0
	1	255
	2	450
	3	675
	4	900
	4	900

Number of People	Cost of Holding an Athletic Banquet
0	75
20	275
40	475
60	675
80	875

6.