Problem of the Week

Problem B

Ride with Rebu or Tyfl?

Charges vary with different ride services.

Rebu

Rebu charges $3.00 when you get in the car, and then $2.00 per km.
Tyfl charges $5.00 when you get in the car, and then $1.50 per km.

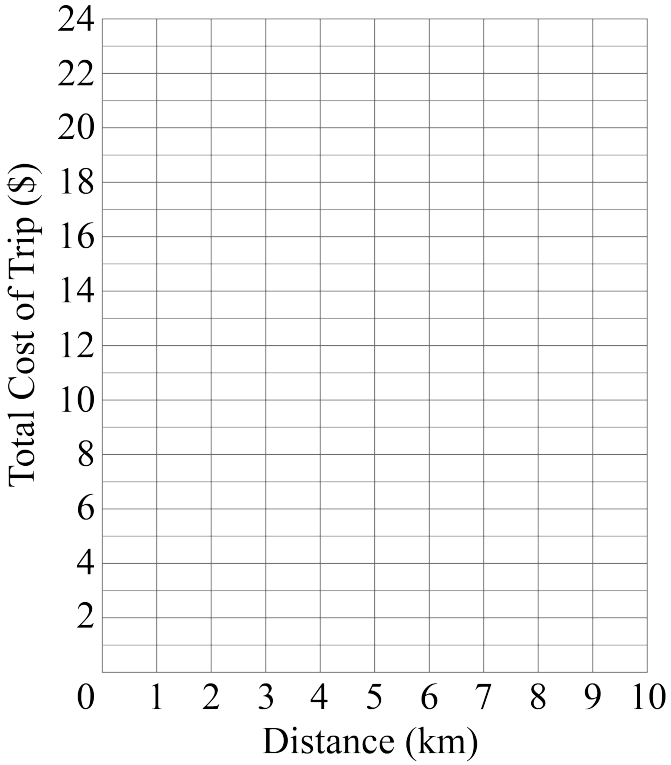
Tyfl

(a) On the given grid, plot the cost of a ride with Rebu for each whole number distance from 0 to 10, and connect the points to form a line. Then do the same in a different colour for the cost of a ride with Tyfl.

(b) If your ride is a 5 km distance, which company gives the better price?

(c) For what distance will the cost be the same for both Rebu and Tyfl?

(d) For what distances will Rebu be cheaper than Tyfl?



Theme: Algebra