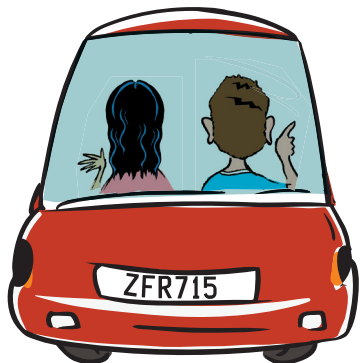


NUMBER PLATES



Jess and her family were on a long car trip.

They **added** the digits on the number plates of other cars to see who could make the **biggest** number.

These are the number plates that each chose.

Jess

APS456

Mum

NFH628

Dad

CHG717

Adam

KFD947

Tina

MKT853

- 1 Write down the order you added the digits to work out each total.
- 2 Explain to a partner why you added the digits this way.
Were your strategies different?
If so, which way is more efficient? Why?
- 3 Make up a number plate of your own and give it to your partner.
Ask your partner to answer **questions 1** and **2** about your number plate.

$4 + 5 + 6 = 4 + 6 + 5$
I thought about which
digits I would add first and
made 10 from 4 and 6.



NUMBER PLATES

PAGE 2 OF 2

- 1 Dad suggested that each person should **add two digits** and **subtract one digit** to see who could make the **biggest** number.

What is the **biggest** number each of the others could make?

$$7 + 7 = 14 \text{ and } 14 - 1 = 13$$



APS456

Jess

NFH628

Mum

CHG717

Dad

KFD947

Adam

MKT853

Tina

- 2 Mum suggested that each person should **add two digits** and **subtract one digit** to see who could make the **smallest** number.

What is the **smallest** number that each person could make?