

Numeracy Year 9 – Week 8: Algebra

STUDENT WORKSHEET

Focus of the week

Inverses of linear relationships in words or symbols

Question 1

$$\boxed{?} - 34 = 68$$

How could you work out the missing number?

- 68 + 34
- 68 - 34
- 68 ÷ 34
- 34 × 68
- 34 - 68

Shade one bubble.



Question 2



Jessie

My favourite number is between 11 and 20.
Multiply my favourite number by 3 and add the
answer to 50. The final result is 104.

What is Jessie's favourite number?

Question 3

Ben thought of a number.
He added 3, then doubled the result and then subtracted 9.
His answer was 35.

Which number did Ben begin with?

- 10
- 16
- 19
- 25

Challenge Question

Jane, Meg and Oliver scored 1 400 points altogether on a computer game.
Jane has 50 more points than Meg and Meg has 4 times as many points as Oliver.

How many points does Oliver have? _____

Write the answer
on the line.

