Factorisation: common factors and square patterns — Further practice

Year 8, upper volume • text pp. 73–78 • foundation lessons 37–39

Further practice 11

Factorise completely over the integers. Verify by expansion.

$$y^2 - 49$$

Further practice 12

Factorise completely over the integers. Verify by expansion.

$$4x^2 + 12x + 9$$

Further practice 13

Factorise completely over the integers. Verify by expansion.

$$(x + 1)^2 - 9$$

Further practice 14

Factorise completely over the integers. Verify by expansion.

$$a^2b - ab^2$$

Extension 15

Factorise completely over the integers. Verify by expansion.

$$x^4 - 16$$

Extension 16

Factorise completely over the integers. Verify by expansion.

$$8x^3 - 32x$$