Unit 7, Week 2: Ratio and proportion

Lesson 1, Support: Flowerbeds

1 **a** 1 out of 4
b 1 out of 6
c 1 out of 3
d 2 out of 3
e 1 out of 12

2

Daffodils	60
White tulips	20
Yellow tulips	20
Purple tulips	20
Irises	40
Primroses	80

3 **a** 96 plants
b 24 tulips
c 8 purple tulips

Unit 7, Week 2: Ratio and proportion

Lesson 1: Proportion problems

Challenge 1

a **i** 10 **ii** 24 **iii** 140 **iv** 1000

b **i** 120 **ii** 30 **iii** 40 **iv** 60

Challenge 2

1 **a** **i** 16 **ii** 40 **iii** 200 **iv** 1200

b **i** 450 **ii** 360 **iii** 900 **iv** 1800

2 **a** 3 blue, 17 other; 6 blue, 34 other; 9 blue, 51 other; 12 blue, 68 other; or any multiple
b Answers will vary.

3 **a** **i** 4 **ii** 12 **iii** 26

b **i** 75 **ii** 165 **iii** 240

c 300

Challenge 3

1 **a** **i** 6 **ii** 30 **iii** 144 **iv** 720

b **i** 500 **ii** 800 **iii** 1580 **iv** 1020

2 5760 drivers in the town; 640 advanced drivers