

## Reasoning and Problem Solving Fraction of an Amount

### Developing

1a.  $\frac{1}{4}$  of 16 is 4

2a. B is the odd one out because the answer is 8. A and C = 10

3a. Harry takes 3 and Alina takes 6. There are 9 pencils left.

### Expected

4a.  $\frac{3}{4}$  of 12 is 9

5a. A is the odd one out because the answer is 1.6kg (1,600g). B and C = 1.2kg (1,200g)

6a. Alex buys 10 and Suzie buys 20. There are 5 brownies left.

### Greater Depth

7a.  $\frac{13}{5}$  of 25 is 65

8a. C is the odd one out because the answer is 7.2km (7,200m). A and B = 4.2km (4,200m).

9a. Jason needs  $\frac{4}{3}$  of a pack of pencils. Caitlin needs  $\frac{5}{3}$  of a pack of pencils.  $\frac{9}{3} = 3$  so they need to buy 3 whole packs of pencils.

## Reasoning and Problem Solving Fraction of an Amount

### Developing

1b.  $\frac{1}{3}$  of 12 is 4

2b. A is the odd one out because the answer is 6. B and C = 5

3b. Josh eats 6 and Sarah eats 3. There are 15 cupcakes left.

### Expected

4b.  $\frac{3}{5}$  of 20 is 12

5b. B is the odd one out because the answer is 0.18L (180ml). A and C = 0.12L (120ml)

6b. Ivan plants 15 and Tanya plants 25. There are no seeds left.

### Greater Depth

7b.  $\frac{12}{4}$  of 28 is 84

8b. A is the odd one out because the answer is 7.2m (720cm). B and C = 7m (700cm)

9b. Oscar wants  $\frac{7}{5}$  of a tube of sweets. Amber wants  $\frac{11}{5}$  of a tube of sweets.  $\frac{18}{5} = 3\frac{3}{5}$  so they need to buy 4 whole tubes of sweets.