

Section Four — Ratio, Proportion and Algebra

Pages 42-43 — Ratio, Proportion and Unequal Sharing

1) The ratio of circles to stars
is **5:3**. (1 mark)
For every shaded shape there
are **3** unshaded shapes. (1 mark)

2) $45 \div 5 = 9$ bookmarks
(1 mark)

3) $15 = 5$ lots of 3 green pens
So there are 5×4
= 20 blue pens (1 mark)

4) $48 = 6$ lots of 8 plums, so he will
need $6 \times 5 = 30$ apples (1 mark)

$25 = 5$ lots of 5 apples, so she
will need $5 \times 8 = 40$ plums
(1 mark)

5) $12 = 6$ lots of 2 witches, so
there are $6 \times 3 = 18$ mummies
(1 mark)

6) 3 sandwiches cost
 $3 \times \text{£}1.50 = \text{£}4.50$.
So 5 bags of crisps cost $\text{£}4.50$.
So 1 bag of crisps costs
 $\text{£}4.50 \div 5 = \text{£}0.90 = 90\text{p}$
(2 marks for the correct answer.
Otherwise 1 mark for setting the
cost of 3 sandwiches equal to
the cost of 5 bags of crisps.)

7) There are $50 + 30 = 80$ shares.
 $1 \text{ share} = 400 \div 80 = 5$
Fiona uses $50 \times 5 = 250$
blueberries (1 mark)

8) There are $4 + 3 = 7$ shares.
 $1 \text{ share} = 42 \div 7 = 6$
Kayla: $4 \times 6 = 24$ marbles
Leanne: $3 \times 6 = 18$ marbles
(1 mark)