

## Part 3

# WALT understand Ratio and Fractions

*Follow this presentation and make notes and answer the questions as you go.*

### Problem Solving 1

**Gemma is making a bracelet using orange and blue beads.**

**Each bracelet contains 18 beads in total.**

**Write 5 pairs of fractions to show the possible ratio blue to orange beads.**



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**Various answers, for example:**

**$\frac{11}{18}$  blue beads and  $\frac{7}{18}$  orange beads**

## Reasoning 1

Which of the following statements match the image?



- A.  $\frac{1}{6}$  of the vegetables are pumpkins.
- B. There are 3 chillies for every 4 peppers.
- C. There are 8 items in total.

Explain how you know.

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Statement C because...

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Explain how you know.

**Statement C because there are four chillies, one pumpkin and three peppers, which makes 8 in total.**

## Reasoning 2

Emma has a bag of 1p and 2p coins.

$\frac{9}{13}$  of the coins are 1p coins.

Emma says,



There are more 2p coins  
than 1p coins.

Nick says,



There are four 2p coins.

Who is correct? Explain how you know.

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Who is correct? Explain how you know.

**Nick is correct because there are 13 coins in total and if there are nine 1p coins, there must be four 2p coins.**

# Well done! It's over to you now.

Go to Part 4 and choose your Star Challenge! Normal rules apply: page 1 will give you an easier challenge, page 2 will be about the same as what we've just practised and page 3 will be more of a stretch.

You only need to do the first three questions on your chosen Star Challenge – the ones on the left-hand side. If you want extra practice, you can then do the three questions on the right hand side of your chosen challenge page. When you finish, don't forget to mark your answers before sharing, so I can see where you need help.