

PAT Teaching Resources Centre

Support student progress by connecting assessment with practice

PAT Maths: Annotated question

Select your specific Maths sub-strand

Switch to Reading domain

Switch to STEM Contexts domain

Select achievement band

All your favourites in one location

Add items to your favourites

The screenshot shows the PAT Teaching Resources Centre interface. At the top, there is a search bar and navigation icons. Below the search bar, there are two dropdown menus: 'Select sub-strand' and 'Select achievement band', with an 'Apply' button to the right. A breadcrumb trail reads: Home > Resources > PAT Maths > Annotated questions > PAT Maths 4th Ed, Test 1, Q1. The main content area is titled 'Annotated question: PAT Maths 4th Ed, Test 1, Q1'. It includes a 'Print' icon and a 'Star' icon for favourites. The question details are as follows:

- Linked from:** [Number and Algebra: Fractions and decimals 85-94](#)
- Strand:** Number and Algebra
- PAT Maths question difficulty:** 87.7
- PAT Maths description:** Recognise a half of a group.
- Curriculum code:** ACMNA016 [Select state curriculum](#)

Below the details, there is a 'PREREQUISITES' section with a link to 'Finding half'. The 'QUESTION' section asks: 'Which box has half the objects circled?'. At the bottom of the page, there are two boxes: the first contains four yellow stars, with the last one circled in red; the second contains four blue birds, with the last one circled in red.

Annotated question: PAT Maths 4th Edition, Test 1, Question 1

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Strand, sub-strand and achievement band

Question difficulty

PREREQUISITES

- Finding half

Curriculum links

What the item is testing

QUESTION

Which box has half the objects circled?

The question as it appears in the PAT Maths assessment

Linked teaching activities help support students who are yet to master the required skills

Challenge students who are ready to progress further

COMMON ERRORS AND MISCONCEPTIONS

Identifies the correct answer, and explains each incorrect answer

Key	B		
Option reasoning	A		(may have identified the one circled as the 'one' of half)
	B	Key	
	C		(may have completed by observation 'looks like a half', or knows one of 'two' groups so is looking for two items identified)
	D		(may have identified the one not circled as the 'one' of half)
	E		(may have completed by observation 'looks like a half')

KEY CONCEPTS AND SKILLS

Explains the key concepts and skills

- Recognising fractions are equal parts of the whole set
- Identifying fractions can be part of a group (set) not just a whole object
- Understanding more than one part can be identified (circled)

LINKED CONCEPT BUILDERS

- Fraction of a group

MOVING FORWARD

- Fraction representation – unit fractions

Find out more
www.acer.org/pat-trc

