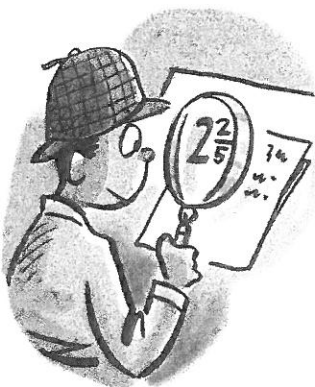


Checking

1. An improper fraction has a numerator that is 13 more than the denominator. If you write the fraction as a mixed number, the whole number part is 5. What could the improper fraction be?

Choose
any 4



Practising

2. An improper fraction has a numerator of 47. The mixed number that is equivalent to the improper fraction has a fraction part with a numerator of 5. What could the improper fraction be? Explain your thinking.
3. Sam wrote these clues about a mixed number:
 - It is between $2\frac{2}{5}$ and $3\frac{2}{5}$.
 - The denominator of the fraction part is 10.
 What could the mixed number be?
4. Three digits in a row make up the mixed number $\frac{\quad}{\quad}$. The numerator of the equivalent improper fraction is 23. What could the mixed number be? Explain your thinking.
5. Choose a value for each \square so these numbers are in order from least to greatest. Use a number line to show your thinking.

$$2\frac{2}{5}, \frac{\square}{8}, 3\frac{1}{10}, \frac{\square}{4}, 3\frac{2}{5}$$
6. The red rectangle at the left represents $2\frac{2}{5}$. How many small squares represent 1 whole?
7. Eight mixed numbers of the form $3-\frac{\quad}{\quad}$ have the same denominator in the fraction part. What are these mixed numbers? What are the equivalent improper fractions?
8. Choose one of the problems in this lesson. How did logical reasoning help you solve the problem?

