Sorting fractions and percentages – Sean

Objectives

The relevant framework objectives are:

- understand percentage as the number of parts in every 100 (key objective);
- recognise relationships between fractions.

Activity description

The pupils sorted a list of fractions and percentages into predetermined sets.

Commentary

Sean's work shows that he recognises the relationships between fractions as well as the relationship between fractions and percentages. This is typical of performance at level 4 in Ma2.

To develop his understanding of fractions and percentages Sean needs to reduce a fraction to its simplest form by cancelling common factors and to calculate fractional and percentage parts of quantities and measurements, using a calculator where appropriate.
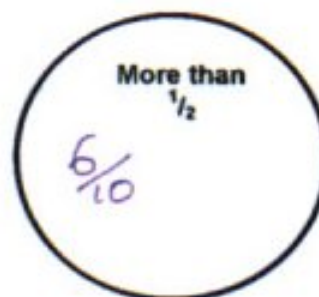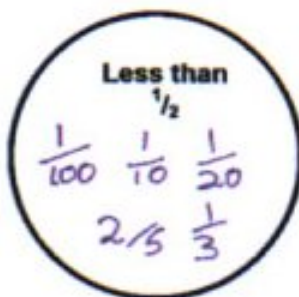
Items of work

Sean sorts fractions into sets

Sort these fractions:

$^1/_{10}$ $^1/_{20}$ $^1/_3$ $^2/_5$

$^6/_{10}$ $^1/_{100}$ $^{11}/_{10}$

Less than ½

$\frac{1}{100}$ $\frac{1}{10}$ $\frac{1}{20}$

$2/5$ $\frac{1}{3}$

More than ½

$\frac{6}{10}$

More than 1

$\frac{11}{10}$

Sean sorts percentages into sets

Sort these percentages:

10% 50% 25%

30% 75%

Less than 1/2

10% 25% 30%

1/2

50%

More than 1/2

75%
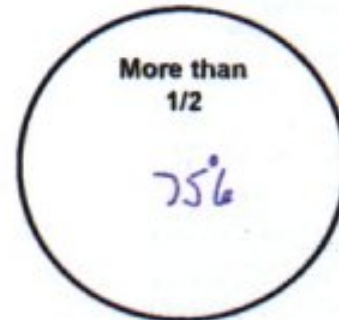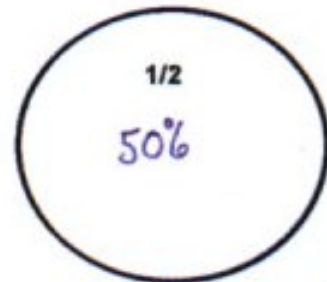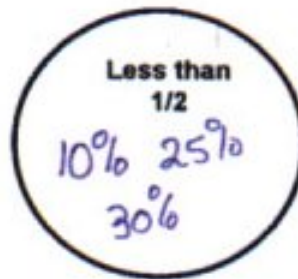
About this entry

Subject: mathematics

Year: 6

Key stage: 2

NC programme of study: Ma2p2e, Ma2p2f

Attainment target: Ma2

Evidence for: level 4

Framework for teaching mathematics – objectives:

- Understand percentage as the number of parts in every 100.