

Unit 15

Strengthen activities

MISCONCEPTION: Some children may confuse finding the mean and the total, for example finding the different ways three numbers can total 11 rather than having a mean of 11.

Answers

Assessment checkpoint:

Answers will vary. Potential answers include: 12, 8 and 13; 16, 12 and 5; 13, 16, 7 and 8.

MISCONCEPTION: Children may mistake the number of sections in a pie chart as the fraction, for example they may say that as there are three sections, each section is $\frac{1}{3}$.

Answers

Assessment checkpoint:

The pie chart in Q1a is split into 10 equal parts with each part to represent one child.

MISCONCEPTION: Children may confuse the vertical-axis and horizontal-axis when interpreting line graphs and may read and interpret the scales used incorrectly.

Answers

Assessment checkpoint:

The vertical access shows temperature in degrees, with every degree marked but every 2 degrees labelled. The horizontal access shows time with every 10 minutes marked but every half an hour labelled.

Deepen activities

Answers

Activity 1

Answers will vary. Ensure that the data set of five numbers in children's word problems will give a mean of 47.

Activity 2

Answers will vary. Ensure that each child is represented by 5° on the pie chart.

Activity 3

- Line graphs will vary. Ensure children are drawing their graphs accurately using scales to fit a given space, and that they have included equally spaced intervals, correct scales, labels and a title.
- Children's own questions will vary. Ensure that the answers to children's questions can be found from the data represented on the line graph.