

# Unit 14

## Strengthen activities

**MISCONCEPTION:** Children may think that problems can only be solved in the order in which the information is presented.

### Answers

Assessment checkpoint:

Children's pictorial representations may vary.

**MISCONCEPTION:** When calculating time intervals, children may revert to familiar methods of adding and subtracting quantities, which are incorrect when working with time.

### Answers

Assessment checkpoint:

12 intervals of 45 minutes = 9 hours, which is longer than one third of a day (8 hours).

**MISCONCEPTION:** When ordering negative numbers, children may reason that a number such as  $-20$  must be larger than  $-5$  because 20 is larger than 5.

### Answers

Assessment checkpoint:

See Practice Book answers.

## Deepen activities

### Answers

#### Activity 1

$$\text{Jamie} = 3 \times 65 = \text{£}195$$

$$\text{Lexi} = 195 - 72 = \text{£}123$$

Children's own questions will vary. Ensure that children's questions match the bar model.

#### Activity 2

Children's own questions will vary. Ensure that children's questions make sense and that there is enough information provided in order to be able to solve them.

#### Activity 3

There are four possible solutions:

- (2, 5), (−2, 5), (−2, 9), (2, 9)
- (2, 5), (2, 9), (6, 9), (6, 5)
- (2, 5), (6, 5), (6, 1), (2, 1)
- (2, 5), (2, 1), (−2, 1), (−2, 5)