Number Bonds: Answer Guide 1

Count each printed counter once and include zero as a part.

Pages 3–4: a whole of five

1. Left 1, right 4: 1 + 4 = 5.

2. Left 2, right 3: 2 + 3 = 5.

3. Left 4, right 1: 4 + 1 = 5.

4. Left 0, right 5: 0 + 5 = 5.

Missing parts on page 4: 5, 3, 1, 0.

Page 5: filled and white counters

1. Filled 3, white 7: 3 + 7 = 10.

2. Filled 4, white 6: 4 + 6 = 10.

3. Filled 0, white 10: 0 + 10 = 10.

4. Filled 8, white 2: 8 + 2 = 10.

Every outlined white circle is still a counter. These are not empty ten-frame spaces. On page 3, the bed labelled empty has zero counters.

Number Bonds: Answer Guide 2

Check what each question asks before using its numbers.

Page 6: missing parts of ten

1. 9 2. 7 3. 4 4. 1

Page 7: related addition facts

1. 2 + 8 = 10 and 8 + 2 = 10.

2. 4 + 6 = 10 and 6 + 4 = 10.

3. 3 + 7 = 10 and 7 + 3 = 10.

Page 8: garden number stories

1. 3 seeds: 2 + 3 = 5.

2. 4 flowers: 6 + 4 = 10.

3. 10 beans: 4 + 6 = 10.

The first two stories ask for a missing part. The last asks for the whole. Accept a clear counter drawing, a spoken explanation or an appropriate calculation.

Number Bonds: Answer Guide 3

Use evidence from the model and accept different correct explanations.

Page 9: check the claims

1. True: 4 + 1 = 5.

2. False: 7 + 2 = 9. Example fix: 10 = 7 + 3.

3. True: 0 + 10 = 10.

4. False: 3 + 3 = 6. Example fix: 5 = 3 + 2.

Other valid corrections are accepted if exactly one part is changed and both parts add to the stated whole. For example, claim 2 can become 10 = 8 + 2; claim 4 can become 5 = 2 + 3.

Page 10: an invented number bond

Accept any two non-negative whole-number parts that add to the chosen whole of 5 or 10. The drawing must show the same quantities, including an empty part when zero is chosen. The two addition facts swap the parts but keep the whole.

The child’s invented question should be answerable from the model. Ask the child to explain where each number is shown. No single story, layout or counter arrangement is required.