Year 2 Mathematics

Student assessment

Place value, operations, fractions, measurement and mathematical explanations.

Suggested time: 35–45 minutes

Name: _____ Date: _____

Instructions: Try your best. You may draw, write or explain your thinking. Ask an adult to read instructions if needed.

Numbers and place value

1. Write 68 in tens and ones. Then write the number that is 10 more than 68.

_____

_____

2. Order these numbers from smallest to largest: 93, 39, 73, 37.

_____

_____

3. Fill the gaps: 45, 50, 55, __, __, 70. Explain the rule.

_____

_____

4. What is the value of the digit 7 in 174?

_____

_____

Addition and subtraction

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5. Calculate 38 + 27. Show how you regroup or use another strategy.

_____

_____

_____

6. Calculate 82 - 46. Explain your method.

_____

_____

_____

7. There are 24 red counters and 19 blue counters. How many counters are there altogether?

_____

_____

8. A library has 65 books. It lends out 28. How many remain?

_____

_____

Fractions and equal groups

9. Shade or draw one quarter of a group of 12 circles. How many circles is that?

_____

_____

_____

10. A sandwich is cut into 4 equal pieces. Leo eats 2 pieces. What fraction did he eat? Can you name an equivalent fraction?

_____

_____

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11. There are 5 bags with 3 marbles in each. How many marbles altogether? Show repeated addition or a picture.

_____

_____

_____

Measurement and reasoning

12. A film starts at 2:15 and lasts 30 minutes. What time does it finish?

_____

_____

13. Which is longer: 125 cm or 1 m? How much longer?

_____

_____

14. A shape has four equal sides and four right angles. Name it and draw it.

_____

_____

_____

15. Ella says 29 + 31 is odd because 29 is odd. Is she correct? Explain.

_____

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_____

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How to use this assessment

Keep the experience encouraging and flexible. Allow breaks. For the first attempt, avoid giving the answer. Record whether the child worked independently, needed a hint, or needed a demonstration.

Suggested answers and what to look for

1. 68 = 6 tens + 8 ones; 78.

2. 37, 39, 73, 93.

3. 60, 65; add 5 each time.

4. 70 (seven tens).

5. 65; e.g. 38 + 20 + 7 = 65.

6. 36; e.g. 82 - 40 - 6 = 36.

7. 43 counters.

8. 37 books.

9. 3 circles.

10. 2/4 or 1/2.

11. 15 marbles.

12. 2:45.

13. 125 cm is 25 cm longer.

14. Square.

15. No; 29 + 31 = 60, which is even.

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What to observe

Notice place-value understanding, regrouping, use of drawings, equal-part reasoning, time and unit conversion, and whether the child checks answers.

Simple recording guide

For each question, mark: I = independent; P = completed after a prompt; S = completed with support; N = not yet. Write down the child's explanation, not just whether the final answer was correct.

Suggested next steps

Choose one or two skills to practise through short, enjoyable activities. Revisit similar questions after a few weeks. A single assessment does not determine a child's ability or future potential.

Parent notes

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