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The diagrams illustrate the steps of the Euclidean algorithm for finding the GCD of 12 and 18. The sequence of diagrams is as follows:

- Diagram 1: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 2: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 3: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 4: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 5: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 6: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 7: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 8: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 9: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 10: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 11: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 12: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 13: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 14: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.
- Diagram 15: A horizontal line with a point labeled 'a' at the left end and a point labeled 'b' at the right end. A vertical line segment is drawn at point 'a'.

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