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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 '12' and a point labeled '18'.
- Diagram 2: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 3: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 4: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 5: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 6: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 7: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 8: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 9: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 10: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 11: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 12: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 13: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 14: A horizontal line with a point labeled '12' and a point labeled '18'.
- Diagram 15: A horizontal line with a point labeled '12' and a point labeled '18'.

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$\triangle \nabla \triangle + \triangle$ $\triangle \triangle \triangle \triangle$ $+ \triangle$ $- \triangle + \triangle$ $\triangle \triangle \triangle$ $\triangle \nabla \triangle \triangle$ $\triangle \nabla \triangle \triangle$ $\triangle \nabla \triangle \triangle$ $\triangle \nabla \triangle \triangle$

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$\triangle A \perp \triangle B$, $\triangle C \perp \triangle D$, $\triangle E \perp \triangle F$, $\triangle G \perp \triangle H$

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$\Delta A \quad A +_A \Delta A \quad A \otimes_A \Delta A \quad \Delta A \otimes_A A$





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$\begin{array}{l}
 \vdash A \triangle B \quad \vdash A \triangle C \quad \vdash A \triangle D \quad \vdash A \triangle E \quad \vdash A \triangle F \quad \vdash A \triangle G \quad \vdash A \triangle H \quad \vdash A \triangle I \quad \vdash A \triangle J \\
 \vdash A \triangle K \quad \vdash A \triangle L \quad \vdash A \triangle M \quad \vdash A \triangle N \quad \vdash A \triangle O \quad \vdash A \triangle P \quad \vdash A \triangle Q \quad \vdash A \triangle R \quad \vdash A \triangle S
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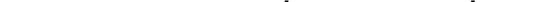
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$\frac{A}{B} \cdot \frac{C}{D} = \frac{AC}{BD}$ $\frac{A}{B} : \frac{C}{D} = \frac{AD}{BC}$ $\frac{A}{B} + \frac{C}{D} = \frac{AD+CB}{BD}$ $\frac{A}{B} - \frac{C}{D} = \frac{AD-CB}{BD}$ $\frac{A}{B} \pm \frac{C}{D} = \frac{AD \pm CB}{BD}$

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