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**Thema 2: Linien**

[](https://youtu.be/1exOHeaalIg)**Arbeitsauftrag:**

Schritt 1: Sehen Sie sich das Erklärvideo „Linien und ihre Bezeichnung“ auf der Internetseite von YouTube an (siehe QR-Code).

Schritt 2: Zeichnen Sie eine Strecke mit der Länge . Der Ort der Strecke ist nicht vorgegeben. Kennzeichnen Sie Anfang- und Endpunkt.

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Schritt 3: Zeichnen Sie zusätzlich eine Halbgerade , so dass sie die Strecke von Schritt 2 nicht schneidet. Kennzeichnen Sie die Punkte und .

Schritt 4: Zeichnen Sie nun noch eine Gerade . Diese verläuft durch die Punkte und . Geben Sie der Geraden den Namen .

[](https://youtu.be/-6mxwj5wn-8)Schritt 5: Sehen Sie sich das Erklärvideo „Parallele und Senkrechte“ auf der Internetseite von YouTube an (siehe QR-Code).

Schritt 6: Zeichnen Sie eine Gerade . Zeichnen Sie einen Punkt auf die Gerade. Der Ort der Geraden und des Punktes sind nicht vorgegeben. Zeichnen Sie nun mit Hilfe des Geodreieckes eine Senkrechte zu durch den Punkt .



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Schritt 7: Zeichnen Sie neben die Gerade einen Punkt , so dass der neue Punkt nicht auf der Senkrechten von Schritt 6 liegt. Zeichnen Sie nun mit Hilfe des Geodreieckes ein Lot von auf .

Schritt 8: Zeichnen Sie mit Hilfe des Geodreieckes eine Parallele durch zu .