Draw a Motorbike: Wheel, Frame and Handlebar Construction

Topic reference / ordinary illustration



Ordinary topic reference. Hypothetical dimensions in the four tasks are supplied in their own text; this illustration is not their measured answer.

Draw a Motorbike: Wheel, Frame and Handlebar Construction

Worked example / complete source key

Using the convention above, construct a side-view motorbike with front wheel radius 3 units, rear wheel radius 3 units, centres 12 units apart on one ground line, steering head 2 units above and 1 unit behind the front wheel centre, swingarm pivot 1 unit above the rear wheel centre, and seat point 4 units above the swingarm pivot.

Answer: Ground line drawn; two circles of radius 3 touch it with centres 12 units apart. Steering head marked, frame triangle closed to swingarm pivot and seat point without crossing either circle. Fork axis drawn from steering head through front wheel cross, second fork line offset half a unit. Handlebar line crosses steering head roughly perpendicular to fork, with grip marks. Guides erased and final lines darkened.