# Draw a Motorbike: Wheel, Frame and Handlebar Construction

Original tasks 1, 2 / independent work

## Task 1

A practice drawing has front wheel radius 3 units and rear wheel radius 3 units, centres 12 units apart. The front wheel bottom is 1 unit above the ground line. What change makes both wheels touch the ground line?

## Task 2

The steering head is 2 units above and 1 unit behind the front wheel centre. The fork axis is drawn as a straight line from steering head to a point 2 units to the right of the front wheel centre. Does the fork meet the wheel centre?

# Draw a Motorbike: Wheel, Frame and Handlebar Construction

Original tasks 3, 4 / independent work

## Task 3

A frame triangle has vertices at steering head, swingarm pivot and seat point. The line from steering head to swingarm pivot passes through the rear wheel circle. What is the simplest correction?

## Task 4

A handlebar line is drawn parallel to the fork axis. Using the convention, what relationship should the handlebar have to the fork in side view?