

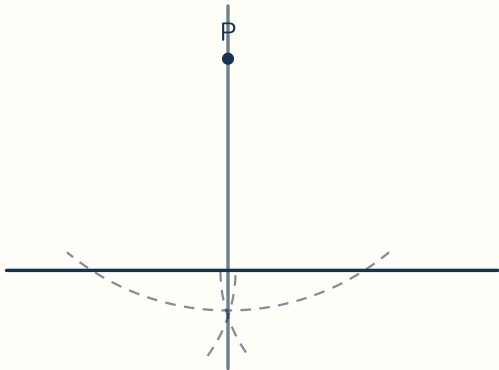
Compass constructions — Construct a perpendicular

Name: _____

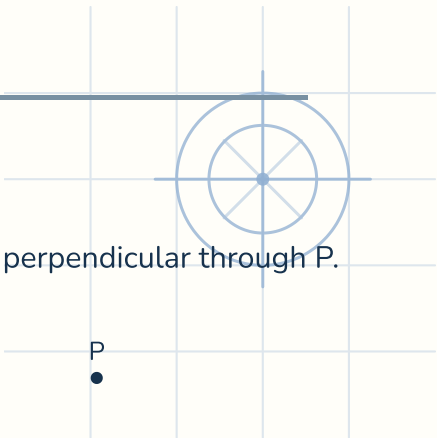
Date: _____

Construct each perpendicular through P. Leave your arcs showing.

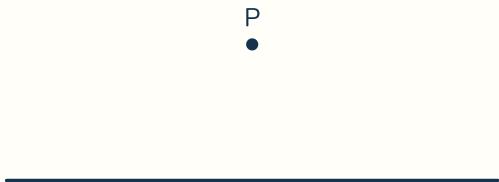
1 Construct the perpendicular through P.



2 Construct the perpendicular through P.



3 Construct the perpendicular through P.



4 Construct the perpendicular through P.



Compass constructions · Construct a perpendicular — Answer key

1. Construct the perpendicular through P. (P 28mm off the line) — 1.

With the point on P, draw an arc that crosses the line twice. 2. Call the crossings X and Y. 3. From X and then from Y, with the same opening, draw arcs that cross each other. 4. Draw the line from P through that crossing. It meets the line at a right angle.

2. Construct the perpendicular through P. (P 33mm off the line) — 1.

With the point on P, draw an arc that crosses the line twice. 2. Call the crossings X and Y. 3. From X and then from Y, with the same opening, draw arcs that cross each other. 4. Draw the line from P through that crossing. It meets the line at a right angle.

3. Construct the perpendicular through P. (P 18mm off the line) — 1.

With the point on P, draw an arc that crosses the line twice. 2. Call the crossings X and Y. 3. From X and then from Y, with the same opening, draw arcs that cross each other. 4. Draw the line from P through that crossing. It meets the line at a right angle.

4. Construct the perpendicular through P. (P 13mm off the line) — 1.

With the point on P, draw an arc that crosses the line twice. 2. Call the crossings X and Y. 3. From X and then from Y, with the same opening, draw arcs that cross each other. 4. Draw the line from P through that crossing. It meets the line at a right angle.

