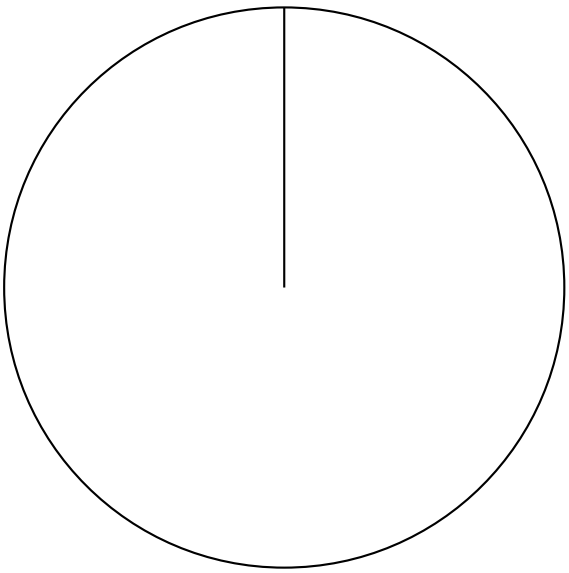
Drawing Accurate Pie Charts

Practice Worksheet (November 2026 Paper 3F Style)

I Do

The table gives information about the number of goals scored by each of three teams.
Draw an accurate pie chart for this information.

Category	Frequency
Albion	36
Rangers	30
Town	24



Drawing Accurate Pie Charts

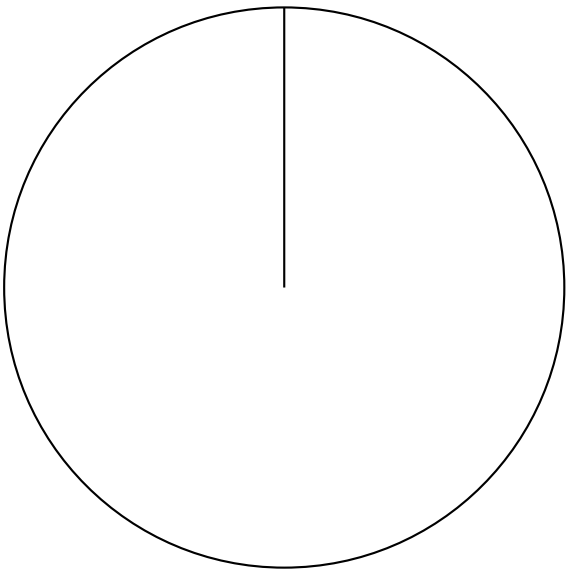
Practice Worksheet (November 2026 Paper 3F Style)

We Do

The table gives information about three categories.

Draw an accurate pie chart for this information.

Category	Frequency
Oak	24
Pine	18
Elm	18



Drawing Accurate Pie Charts

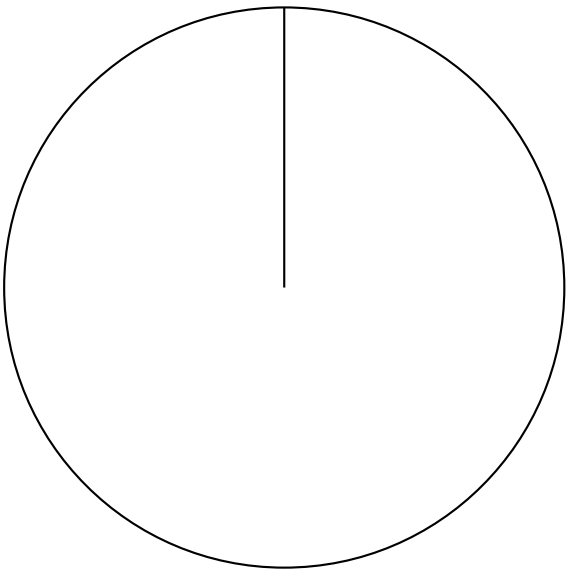
Practice Worksheet (November 2026 Paper 3F Style)

You Do 1

The table gives information about three categories.

Draw an accurate pie chart for this information.

Category	Frequency
Red	20
Blue	15
Green	25



Drawing Accurate Pie Charts

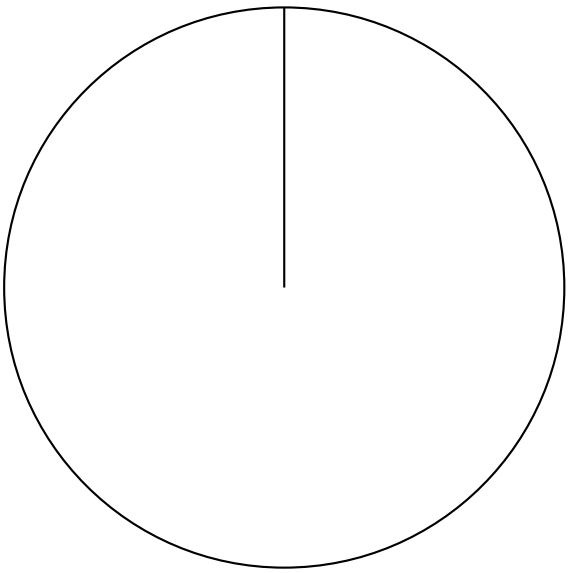
Practice Worksheet (November 2026 Paper 3F Style)

You Do 2

The table gives information about three categories.

Draw an accurate pie chart for this information.

Category	Frequency
Cycling	16
Walking	24
Bus	40



Drawing Accurate Pie Charts

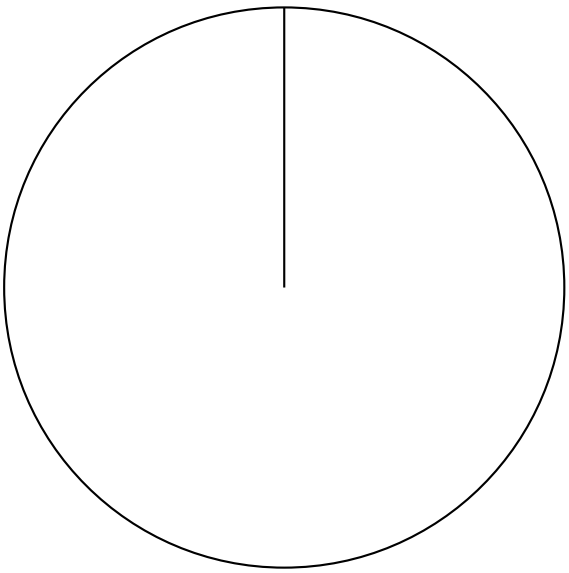
Practice Worksheet (November 2026 Paper 3F Style)

You Do 3

The table gives information about three categories.

Draw an accurate pie chart for this information.

Category	Frequency
Team A	18
Team B	27
Team C	45



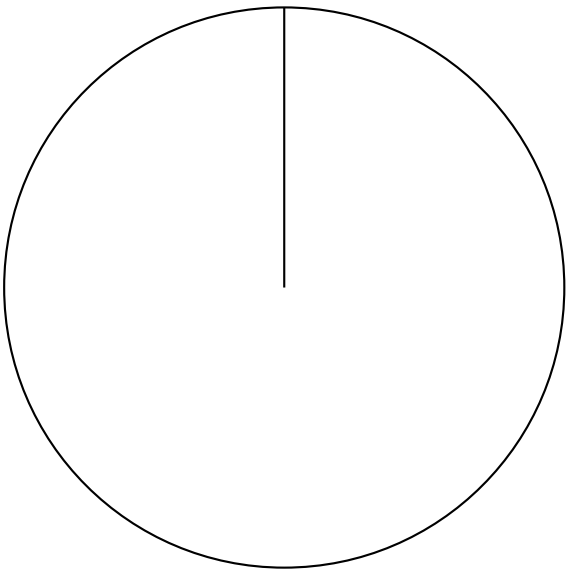
Drawing Accurate Pie Charts

Practice Worksheet (November 2026 Paper 3F Style)

Challenge

A club has 120 members. Its pie-chart sectors are:
Music: 135 degrees, Sport: 150 degrees, Art: 75 degrees.
Find the number of members in each group, then draw the pie chart.

Category	Angle (degrees)
Music	135
Sport	150
Art	75



Drawing Accurate Pie Charts

Practice Worksheet (November 2026 Paper 3F Style)

Worked Answers

I Do

Total frequency = 90. Angle per item = 360 ÷ 90 = 4 degrees.

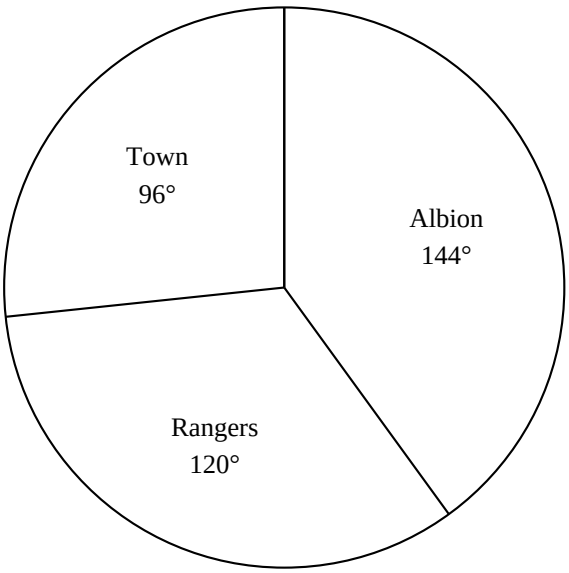
Albion: 36/90 × 360 = 144 degrees.

Rangers: 30/90 × 360 = 120 degrees.

Town: 24/90 × 360 = 96 degrees.

Check: the sector angles add to 360 degrees.

Draw from the starting radius; label every sector.



Drawing Accurate Pie Charts

Practice Worksheet (November 2026 Paper 3F Style)

Worked Answers

We Do

Total frequency = 60. Angle per item = 360 ÷ 60 = 6 degrees.

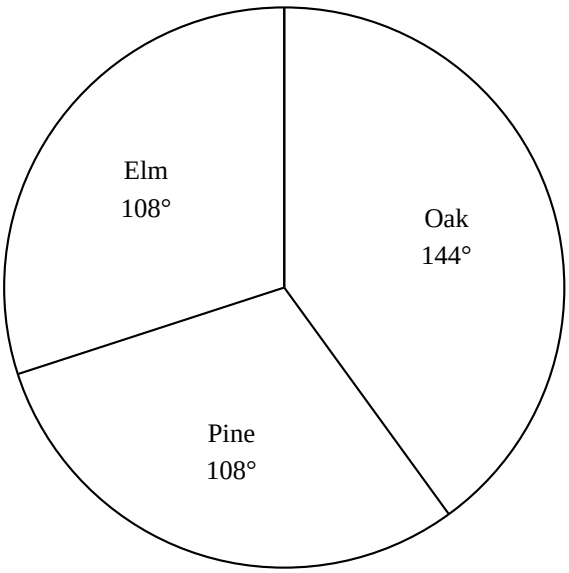
Oak: 24/60 × 360 = 144 degrees.

Pine: 18/60 × 360 = 108 degrees.

Elm: 18/60 × 360 = 108 degrees.

Check: the sector angles add to 360 degrees.

Draw from the starting radius; label every sector.



Drawing Accurate Pie Charts

Practice Worksheet (November 2026 Paper 3F Style)

Worked Answers

You Do 1

Total frequency = 60. Angle per item = 360 ÷ 60 = 6 degrees.

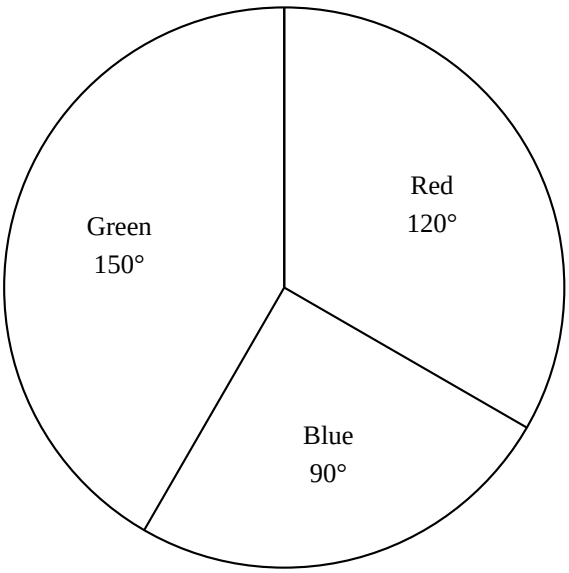
Red: 20/60 × 360 = 120 degrees.

Blue: 15/60 × 360 = 90 degrees.

Green: 25/60 × 360 = 150 degrees.

Check: the sector angles add to 360 degrees.

Draw from the starting radius; label every sector.



Drawing Accurate Pie Charts

Practice Worksheet (November 2026 Paper 3F Style)

Worked Answers

You Do 2

Total frequency = 80. Angle per item = 360 ÷ 80 = 9/2 degrees.

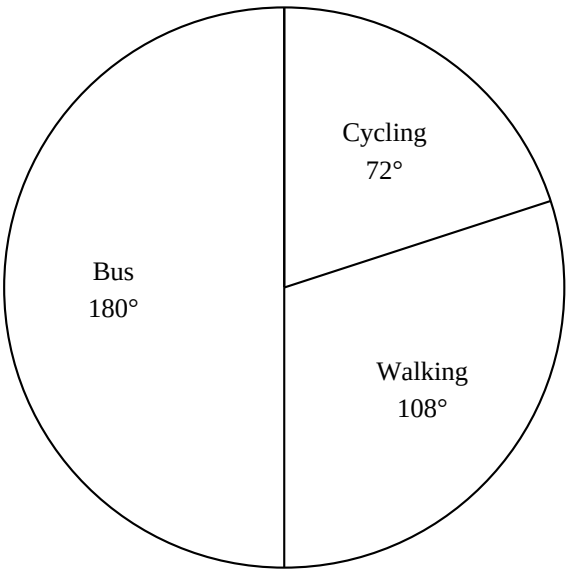
Cycling: 16/80 × 360 = 72 degrees.

Walking: 24/80 × 360 = 108 degrees.

Bus: 40/80 × 360 = 180 degrees.

Check: the sector angles add to 360 degrees.

Draw from the starting radius; label every sector.



Drawing Accurate Pie Charts

Practice Worksheet (November 2026 Paper 3F Style)

Worked Answers

You Do 3

Total frequency = 90. Angle per item = 360 ÷ 90 = 4 degrees.

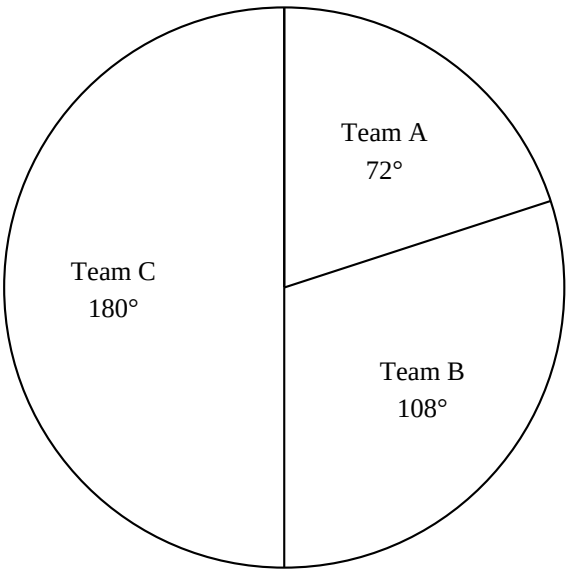
Team A: 18/90 × 360 = 72 degrees.

Team B: 27/90 × 360 = 108 degrees.

Team C: 45/90 × 360 = 180 degrees.

Check: the sector angles add to 360 degrees.

Draw from the starting radius; label every sector.



Drawing Accurate Pie Charts

Practice Worksheet (November 2026 Paper 3F Style)

Worked Answers

Challenge

Number in a group = sector angle ÷ 360 × 120.

Music: 135 ÷ 360 × 120 = 45 members.

Sport: 150 ÷ 360 × 120 = 50 members.

Art: 75 ÷ 360 × 120 = 25 members.

Check: the sector angles add to 360 degrees.

Draw from the starting radius; label every sector.

