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**Activity**

# Constructing and analysing population pyramids

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Read the ‘Exploring population pyramids’ skills article on pages 12 to 13 and complete the tasks below to practise creating your population pyramid and then answer exam-style questions to analyse it.

## Task: Create your own population pyramid

Use the population data below for the UK (2017) to create your own population pyramid using the step by step instructions below.

Age	Male	Female
0–4	2,043,328	1,945,216
5–9	2,103,413	2,008,560
10–14	1,865,566	1,782,792
15–19	1,870,291	1,783,059
20–24	2,101,595	2,033,777
25–29	2,253,554	2,192,695
30–34	2,244,194	2,221,604
35–39	2,075,450	2,072,320
40–44	2,040,759	2,067,847
45–49	2,245,509	2,308,993
50–54	2,339,081	2,417,494
55–59	2,061,736	2,126,454
60–64	1,690,185	1,754,772
65–69	1,714,198	1,824,453
70–74	1,432,192	1,573,776
75–79	987,271	1,161,336

80–84	680,907	892,680
85–89	374,808	587,138
90–94	157,994	316,316
95–99	38,951	101,179
100+	3,595	14,040

- Using the data table above, decide on your scale and draw the axis for a population pyramid. Remember, your *y*-axis should be located in the centre of your *x*-axis so you can draw the bars horizontally to both sides. The *y*-axis should be entitled 'age group' and the *x*-axis should be entitled 'number of people'.
- Use a sharp pencil to draw a male bar (on the left) and female bar (on the right) at each age group.
- Use two colours to shade in your male and female bars.
- Ensure your both axes are labelled, and your graph has a title.

### Exam questions

- Using your population pyramid, describe the population structure of the UK.
- Using your own knowledge and understanding, explain the population structure of the UK.
- Using your population pyramid and the population pyramid for India in the article, compare and contrast how the population structure varies between countries.

## Teacher notes

This worksheet is designed as a challenging homework activity to encourage students to create their own population pyramid, using the skills they have learnt from the article.

### Learning objectives of lesson activity

To apply understanding of drawing and interpreting population pyramids.

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