

**12** What is a couple?

- A** a pair of equal forces acting in the same direction but along different lines
- B** a pair of forces that are equal and opposite but acting along different lines
- C** a pair of forces that produce no resultant force and no resultant moment
- D** a pair of unequal forces acting in opposite directions but along the same line

**13** Five forces are applied to a rigid body. The resultant is 40 N.