

Q165 Similarity and congruence

- ① a) B and D
b) E
c) 10 cm^2
- ② a) trapezium
b) D and F
c) 4
d) 10 cm^2
- ③ a) 6 cm
b) 2 cm
- ④ a) pentagon
b) parallel sides marked
c) congruent triangle is drawn
- ⑤ **proof**, must go in order $3\text{cm}, 35^\circ, 42^\circ \neq 3\text{cm}, 42^\circ, 35^\circ$ triangle
- ⑥ Bob
- ⑦ a) 7.5 cm
b) 8 cm
- ⑧ $\frac{12.5}{5} = \frac{10}{4} = \frac{7.5}{3}$,
all sides enlarged by the same scale factor
- ⑨ 3.75 cm
- ⑩ 32.2 cm
- ⑪ a) 3.9 cm
b) 2.05 cm
- ⑫ No
- ⑬ a) 9.6 cm
b) 10 cm
- ⑭ 6.4 cm^2
- ⑮ 2 cm, 14.5 cm

Handwritten notes on the right page, including:

- 1. ...
- 2. ...
- 3. ...
- 4. ...
- 5. ...
- 6. ...
- 7. ...
- 8. ...
- 9. ...
- 10. ...
- 11. ...
- 12. ...
- 13. ...
- 14. ...
- 15. ...