

UNIT 15 Polygons

Mental Tests

M 15.1 Standard Route *(no calculator)*

1. Calculate $360 - 150$. (210)
 2. Calculate $180 - 50$. (130)
 3. Calculate $180 - 12$. (168)
 4. Calculate $360 - 80$. (280)
 5. Calculate $360 \div 10$. (36)
 6. Calculate $360 \div 20$. (18)
 7. How many lines of symmetry does a square have? (4)
 8. Is each of these statements true or false?
 - (a) "A square is also a parallelogram." (T)
 - (b) "A hexagon has 7 sides." (F)
 - (c) "The angles in a rhombus are always all the same size." (F)
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M 15.2 Academic Route *(no calculator)*

1. Calculate $360 - 75$. (285)
 2. Calculate $180 - 51$. (129)
 3. Calculate $360 - 172$. (188)
 4. Calculate $180 - 149$. (31)
 5. Calculate $180 - 83$. (97)
 6. Calculate $360 \div 20$. (18)
 7. Calculate $360 \div 15$. (24)
 8. Calculate $360 \div 40$. (9)
 9. How many lines of symmetry does a regular hexagon have? (6)
 10. Is this statement true or false?
"A rhombus is also a kite." (T)
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Mental Tests

M 15.3 Express Route *(no calculator)*

1. Calculate $360 - 79$. (281)
2. Calculate $180 - 97$. (83)
3. Calculate $180 - 42 - 32$. (106)
4. Calculate $360 - 72 - 84$. (204)
5. Calculate $360 \div 20$. (18)
6. Calculate $360 \div 45$. (8)
7. Calculate $360 \div 5$. (72)
8. How many lines of symmetry does a regular heptagon have? (7)
9. Is each of these statements true or false?
 - (a) "A rhombus is also a kite." (T)
 - (b) "The diagonals of a parallelogram are always perpendicular." (F)