ANGLES ON PARALLEL LINES

Answer all of these questions. Remember to show your working out in all questions.

MAIN QUESTIONS

- 1. Find the value of x if the corresponding angles are 75° and 3x°
- 3. Find the value of z if the cointerior angles are 60° and $4z^{\circ}$
- 5. Find the value of b if the alternate angles are 7b° and 140°
- 7. Find the value of d if the corresponding angles are 5d° and 95°
- 9. Find the value of f if the cointerior angles are 6f° and 102°
- 11. Find the value of h if the alternate angles are 10h° and 170°
- 13. Find the value of m if the corresponding angles are 7m° and 161°

- 2. Find the value of y if the alternate angles are 110° and $5y^{\circ}$
- 4. Find the value of a if the corresponding angles are 8a° and 120°
- 6. Find the value of c if the cointerior angles are 3c° and 150°
- 8. Find the value of e if the alternate angles are $4e^{\circ}$ and 88°
- 10. Find the value of g if the corresponding angles are 9g° and 135°
- 12. Find the value of k if the cointerior angles are 12k° and 48°
- 14. Find the value of n if the alternate angles are 11n° and 121°

- 15. Find the value of p if the cointerior angles are 5p° and 115°
- 17. Find the value of r if the alternate angles are $8r^{\circ}$ and 144°
- 19. Find the value of t if the corresponding angles are 10t° and 170°

- 16. Find the value of q if the corresponding angles are 6q° and 114°
- 18. Find the value of s if the cointerior angles are 9s° and 81°

MASTER QUESTIONS



M1. Two parallel lines are intersected by a transversal. One of the corresponding angles is $5x^{\circ}$ and the other is $3x + 40^{\circ}$. Find the value of x and the measure of each angle.