Multiplication HTO × O using the most efficient method

Use the most efficient method to calculate HTO × O

Challenge 1

1 a 8×2
  b 80×2
  c 800×2

2 a 4×7
  b 40×7
  c 400×7

3 a 7×6
  b 70×6
  c 700×6

4 a 9×8
  b 90×8
  c 900×8

5 a 9×7
  b 90×7
  c 900×7

6 a 5×6
  b 50×6
  c 500×6

Challenge 2

Sort these calculations into two groups: those you would work out mentally and those where you would use a written method. Then work out the answer to each calculation using the most efficient method.

| 233×3 | 432×3 | 655×4 | 632×3 | 746×8 | 869×7 |

| 637×8 | 434×2 | 513×3 | 754×2 | 779×9 | 856×7 |

Challenge 3

Play this game with a partner. Each player chooses a number from the circles on the right.

Take turns to:
- roll the dice
- multiply the number on the dice by your chosen number
- choose the most appropriate method to calculate the answer, mental or written.

If you choose a written method, write the estimated answer first and then show your working out. Compare your answers each time. The player with the largest answer scores one point. The first player to score five points is the winner.

You will need:
- 0–9 dice

356 813 624 943 268 493 735 661 524 133