In each of the following 11 situations where is the centre of enlargement?

- Use the numbers 0, 1, 2, 3, 4, 5, 6, 7, 8 and 9 once each to produce three square numbers.

- The area and perimeter of the piece of land shown have the same numerical value, but one is in metres and the other in square metres. What is the value?

- There are 24 combinations of the digits 1, 3, 4, 8. Find the four combinations that are prime numbers.

- Phil Dodd teaches mathematics in Haughton le Spring in the north east of England.

- Derek Ball is retired but runs masterclasses. Go to page 17 for another of Derek’s puzzles.

- Are you sure?

- Leaping Around
  - This year, 29 February fell on a Friday. On which day of the week will the next 29 February fall? Why?
  - What about 29 February, 3008?
  - Why is 29 February more likely to fall on some days of the week than on others?
  - Herman Hollerith (29 February 1860 – 17 November 1929) was a statistician and engineer, known for developing the use of punched card data processing. He was a leapling, being born on 29 February. How many birthdays did he have? Why?

- Colin Foster teaches mathematics at King Henry VIII School, Coventry, and is one of the editors of MT.
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