Maths – 10 Minute Test – Fractions of amounts

Instructions:

Set a timer for ten minutes and attempt to complete the test within the time allowed.

If you do not finish, continue to complete the remaining questions and aim to improve your speed in future tests.

Once all questions have been answered, watch the associated webinar for full solutions.

1. A jar contains 72 sweets. One twelfth of the sweets are chewy.

   She removes the chewy sweets as she does not like them and

   eats half of the sweets that remain.

   How many sweets are left in the jar?

2. Damian is following a recipe. He empties three quarters of a

   500g bag of flour into a bowl.

   He then adds one fifth of a 200g bag of sugar to the same bowl.

   The bowl, when empty, weight 240g.

   How much does the bow and its contents weigh altogether?

3. Amy is recording data about goals scored at a football

   tournament. She finds that one seventh of the goals scored

   were headers.

If five of the goals were headers, how many goals were scored in total?

4. A school assembly has 400 students. One tenth of the students are not wearing a tie. Of the students who are wearing ties, 50 are wearing a golden tie. The remaining students are wearing the school's standard navy tie.
How many students in the school assembly are wearing a navy tie?

5. Find one tenth of the total of the numbers from 0 to 10.

6. A box contains 360 pencils. One sixth of the pencils are red. One quarter of the remaining pencils are blue. The rest of the pencils are green.
How many green pencils are in the box?