FRACTIONS OF AN AMOUNT

Pearson Edexcel – Tuesday 19 May 2020 - Paper 1 (Non-Calculator) Higher Tier

1.

23 There are four types of cards in a game.

Each card has a black circle or a white circle or a black triangle or a white triangle.

$$\frac{\text{number of cards}}{\text{with a black shape}} : \frac{\text{number of cards}}{\text{with a white shape}} = 3:5$$

$$\frac{\text{number of cards}}{\text{with a circle}} : \frac{\text{number of cards}}{\text{with a triangle}} = 2:7$$

Express the total number of cards with a black shape as a fraction of the total number of cards with a triangle.

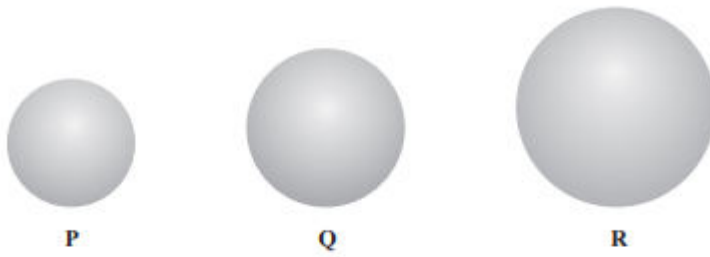**(Total for Question 23 is 3 marks)**

Pearson Edexcel - Tuesday 21 May 2019 - Paper 1 (Non-Calculator) Higher Tier

2.

12 Here are three spheres.

P   Q   R

The volume of sphere **Q** is 50% more than the volume of sphere **P**.
The volume of sphere **R** is 50% more than the volume of sphere **Q**.

Find the volume of sphere **P** as a fraction of the volume of sphere **R**.

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(Total for Question 12 is 3 marks)

3.