

<p style="text-align: center;">BACCALAURÉAT GÉNÉRAL ÉPREUVE SPÉCIFIQUE DES SECTIONS EUROPÉENNES MATHEMATIQUES – ANGLAIS</p>
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Corrigé du sujet 18

1) How many captains from Dol Amroth are there?

30% of 5,000 = 1,500 archers from Dol Amroth

5% of 1,500 = 75 captains from Dol Amroth

There are 75 captains from Dol Amroth.

2) How many archers (excluding captains) from Minas Tirith are there?

20% of 5,000 = 1,000 archers from Minas Tirith

100% - 5% (captains) = 95% of regular archers

95% of 1,000 = 950 regular archers from Minas Tirith

There are 950 archers from Minas Tirith, excluding captains.

3) What's the percentage of archers from the region of South Gondor?

100% - 20% (Minas Tirith) – 30% (Dol Amroth) = 50% of archers from South Gondor

The percentage of archers from the region of South Gondor is 50%.

4) On the South wall, Gandalf put fifty archers and they shot arrows during three hours.

How many arrows did they shoot?

10 archers shoot 100 arrows in 1 minute

50 archers shoot 500 arrow in 1 minute

50 archers shoot 30,000 arrows in 60 minutes = 1 hour

50 archers shoot 90,000 arrows in 3 hours

They shot 90,000 arrows.

5) One hundred archers are defending the North wall. They have a stock of 200,000 arrows.

How much time can they hold before they don't have any arrow left?

10 archers shoot 100 arrows in 1 minute

100 archers shoot 1,000 arrow in 1 minute

100 archers shoot 200,000 arrow in 200 minutes = 3 hours and 20 minutes

They will run out of arrows after 3 hours and 20 minutes of shooting.