

Below is the 2019 roster for the New England Patriots. Use this to answer the following. *Number all players down the columns and not the rows.*

New England Patriots roster				view · talk · edit
<p>Quarterbacks</p> <ul style="list-style-type: none"> 12 Tom Brady 6 Cody Kessler 4 Jarrett Stidham <p>Running backs</p> <ul style="list-style-type: none"> 38 Brandon Bolden KR 34 Rex Burkhead 37 Damien Harris 26 Sony Michel 28 James White <p>Wide receivers</p> <ul style="list-style-type: none"> 13 Phillip Dorsett 11 Julian Edelman 16 Jakobi Meyers 80 Gunner Olszewski PR 14 Mohamed Sanu 18 Matthew Slater <p>Tight ends</p> <ul style="list-style-type: none"> 85 Ryan Izzo 83 Matt LaCosse 84 Benjamin Watson 	<p>Offensive linemen</p> <ul style="list-style-type: none"> 61 Marcus Cannon T 74 Korey Cunningham T 65 Jermaine Eluemunor G 66 James Ferentz C 75 Ted Karras C 69 Shaq Mason G 72 Marshall Newhouse T 62 Joe Thuney G <p>Defensive linemen</p> <ul style="list-style-type: none"> 70 Adam Butler DT 90 Shilique Calhoun DE 99 Byron Cowart DT 93 Lawrence Guy DT 71 Danny Shelton DT 55 John Simon DE 50 Chase Winovich DE 91 Deatrich Wise Jr. DE 	<p>Linebackers</p> <ul style="list-style-type: none"> 51 Ja'Whaun Bentley MLB 58 Jamie Collins OLB 54 Dont'a Hightower OLB 52 Elandon Roberts MLB 53 Kyle Van Noy OLB <p>Defensive backs</p> <ul style="list-style-type: none"> 29 Justin Bethel CB 25 Terrence Brooks SS 23 Patrick Chung SS 43 Nate Ebner FS 24 Stephon Gilmore CB 21 Duron Harmon SS 27 J. C. Jackson CB 31 Jonathan Jones CB 32 Devin McCourty FS 30 Jason McCourty CB 33 Joejuan Williams CB <p>Special teams</p> <ul style="list-style-type: none"> 7 Jake Bailey P 49 Joe Cardona LS 2 Nick Folk K 	<p>Reserve lists</p> <ul style="list-style-type: none"> 60 David Andrews C (IR) + 63 Yodny Cajuste OT (NF-Inj.) + 58 Keionta Davis DE (IR) + 46 James Develin FB (IR) + 64 Hjalte Froholdt G (IR) + 42 Malik Gant S (IR) + 10 Josh Gordon WR (IR) + 3 Stephen Gostkowski K (IR) + 15 N'Keal Harry WR (IR) + 47 Jakob Johnson FB (IR) + 36 Brandon King OLB (IR) + 95 Derek Rivers DE (IR) + 41 D'Angelo Ross CB (IR) + 76 Isaiah Wynn OT (IR) + <p>Practice squad</p> <ul style="list-style-type: none"> 35 Nate Brooks S 67 Tyler Gauthier C 59 Terez Hall OLB 22 Obi Melifonwu S 48 Calvin Munson MLB 17 Devin Ross WR 92 Nick Thurman DT 68 Najee Toran G 	

1. Take a simple random sample (SRS) of 10 players. Use table b starting at **line 171**.

2. Take a systematic random sample of 10 players. Use an interval of 7 and table b starting at **line 113**.

3. Take a stratified random sample of 10 players based on if their jersey number is **even or odd**. Use table b starting at **line 129**.

4. Explain the differences between a **voluntary response** sample and a **convenience sample**. Do these samples provide accurate information?

5. A bottle of coke is manufactured to contain **20 ounces**. Quality control inspectors test 75 bottles of coke produced in a local factory. These bottles contained an average of **17 ounces** of coke.

Population:

Sample(s):

Parameter:

Statistic(s):

6. A study was performed to find the average height of males and females in the United States. The heights of 121 men were measured and the average height was **74 inches**. The heights of 111 women were measured and the average height was **67 inches**.

Population:

Sample(s):

Parameter:

Statistic(s):