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| **EE.8 Quiz Mastery Connect** | |
| **1.** | Which inequality is shown on this graph?  /files/assess_files/e351704b-57eb-448a-a9b6-5a05efc8dabf/I380621_1.png |

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| --- |
|  |
|  | |  |  | | --- | --- | | **A.** | *x* > 2 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | *x* <> | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | *x* ≥ 2 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | *x* ≤ 2 | |

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| **2.** | Paul’s bank does not chargehim a fee for cashing checks as long as he keeps a balance, *b*, of at least $500 in his checking account. Which inequality represents this situation? |
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|  | |  |  | | --- | --- | | **A.** | *b*>$500 | |
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|  | |  |  | | --- | --- | | **B.** | *b≤*$500 | |
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|  | |  |  | | --- | --- | | **C.** | *b<*$500 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | *b≥*$500 | |
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| **3.** | A person must be at least 18 years of age or older to vote. Which graph represents this situation? |
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|  | |  |  | | --- | --- | | **A.** | /files/assess_files/f5f1b125-cbd5-4c19-b2de-9f07de3b7ba5/I380768_1.png | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | /files/assess_files/b1d559fd-4591-45af-8e37-eae52377ce3a/I380768_2.png | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | /files/assess_files/8a87725a-82c7-4242-99f9-a4811c62be37/I380768_3.png | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | /files/assess_files/f530b866-8f8f-451c-bfff-2f8f27cbb8c8/I380768_4.png | |
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| **4.** | Jaxon attends a summer camp that is for anyone 12 years of age or younger. Which inequality represents the age limit, *a*, at the camp? |
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|  | |  |  | | --- | --- | | **A.** | *a*>12 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | *a<*12 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | *a≤*12 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | *a≥*12 | |
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| **5.** | A boat will hold up to 350 pounds.   * There are three people on the boat. * Caroline weighs 114 pounds, and Carson weighs 136 pounds.   Which inequality represents the weight, *w*, of a third person? |
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|  | |  |  | | --- | --- | | **A.** | *w* ≤ 100 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | *w* ≥ 100 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | *w* ≥ 250 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | *w* ≤ 250 | |
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| **6.** | Mrs. Ross needs at least 26 spools of thread for a project. Spools come in packs of 5. Which inequality represents the minimum number of packs of spools, *p*, Mrs. Ross needs to buy? |
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|  | |  |  | | --- | --- | | **A.** | *p* ≤ 5 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | *p* ≥ 5 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | *p*≤ 6 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | *p* ≥ 6 | |
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| **7.** | Which inequality is represented on the graph below?  /files/assess_files/883a77c9-b944-494b-b825-04a9a3f0b704/I381386_1.png |
|  |
|  | |  |  | | --- | --- | | **A.** | *m* ≤ –4 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | *m* ≥ –4 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | *m*<–4 | |
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| **8.** | **A theater company sold 140 pre-sale tickets. Its theater has a seating capacity of 355. If each ticket earns the company $35, which of the following inequalities represents *r*, the range of earnings possible from ticket sales?** |
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|  | |  |  | | --- | --- | | **A.** | /files/assess_files/1f3bf384-a701-4dd6-a30b-540d0493a710/I48570_61.gif | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | /files/assess_files/90bed213-4ff1-4411-90f4-9faf95e3b121/I48570_62.gif | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | /files/assess_files/44bb51c0-d2ce-40ca-9b00-2eb18bfbd08f/I48570_63.gif | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | /files/assess_files/df154317-1cf7-4cdf-99a2-fdc514ffcb63/I48570_64.gif | |
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| **9.** | A class needs at least 65 sandwiches for a picnic. Which inequality represents the number of sandwiches, *n*, the class needs for the picnic? |
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|  | |  |  | | --- | --- | | **A.** | *n* > 65 | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | *n* < 65 | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | *n* ≥ 65 | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | *n* ≤ 65 | |
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| **10.** | **Margaret had 15 green paper clips and more red paper clips than green paper clips. Let *n* represent the number of red paper clips she had. Which inequality correctly represents the value of *n*?** |
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|  | |  |  | | --- | --- | | **A.** | /files/assess_files/892dee98-e711-4075-bc5f-37483ac4a05e/I28228_65.gif | |
|  |  |
|  | |  |  | | --- | --- | | **B.** | /files/assess_files/b2c0dc9e-db53-4875-814f-f53f79cb846e/I28228_66.gif | |
|  |  |
|  | |  |  | | --- | --- | | **C.** | /files/assess_files/bed897ad-e145-4670-8170-2cbc4d9e90e0/I28228_67.gif | |
|  |  |
|  | |  |  | | --- | --- | | **D.** | /files/assess_files/6581dc46-69c0-4df9-9970-ed26c89b74c7/I28228_68.gif | |
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