Are you ready for Beast Academy 1B?

Before beginning Beast Academy 1B, students should be able to count and compare numbers within 100 and recognize some basic shapes and their properties.

Beginner readers may need lots of help using Beast Academy 1B.

A student ready for Beast Academy 1B should be able to answer at least 12 of the 17 problems below correctly.

Step 1. The student should try to answer every question with reading help from a parent if needed.

Step 2. Check the student's answers using the solutions at the end of this document.

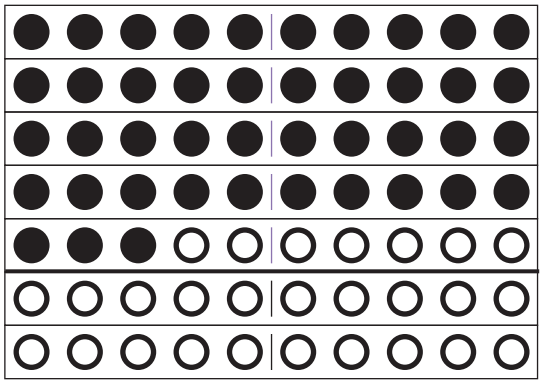
Step 3. The student should be given a second chance on problems answered incorrectly.

Fill in the numbers of dots for each table below.

1. Filled dots ● = _____

2. Empty dots ○ = _____

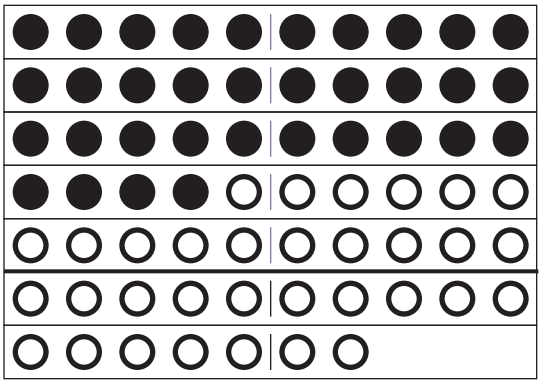
3. Total dots = _____



4. Filled dots ● = _____

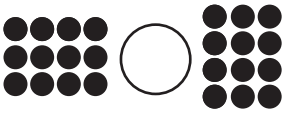
5. Empty dots ○ = _____

6. Total dots = _____



Fill each circle below with <, >, or = to compare the amounts below.

7. 

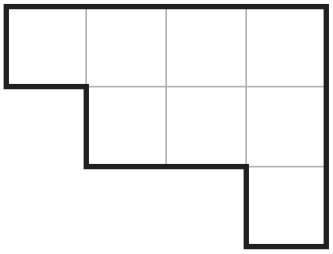
8. 

9. 54 ◯ 45

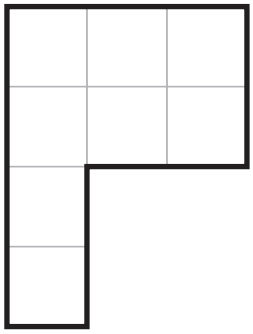
Are you ready for Beast Academy 1B?

Trace the lines inside each shape below to show how it could be split into two pieces that are the same shape and size.

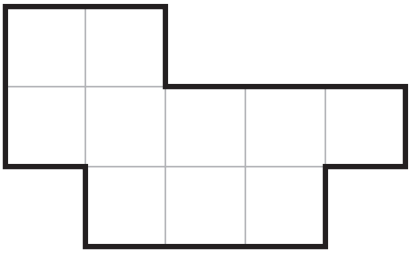
10.



11.



12.



Fill each blank below with a digit (0, 1, 2, 3, 4, 5, 6, 7, 8, or 9) so that the numbers are in order from smallest to largest.

13. $\boxed{35} < \boxed{\_5} < \boxed{50}$

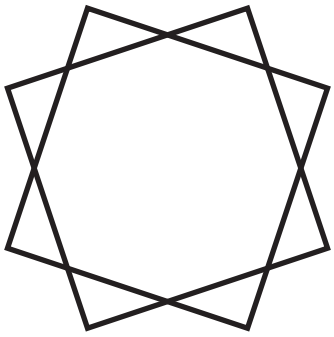
14. $\boxed{73} < \boxed{\_1} < \boxed{\_0}$

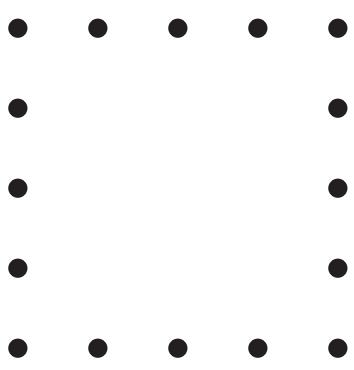
15. $\boxed{\_8} < \boxed{\_7} < \boxed{32}$

16. $\boxed{49} < \boxed{\_8} < \boxed{5\_}$

Connect dots on the right to draw the shape on the left.

17.





Are you ready for Beast Academy 1B?

Solutions

1. Filled: **43**

2. Unfilled: **27**

3. Total: **70**

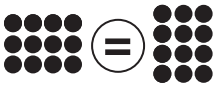
4. Filled: **34**

5. Unfilled: **33**

6. Total: **67**

7. 9 is less than 10.

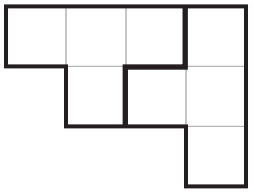
8. 12 is equal to 12.



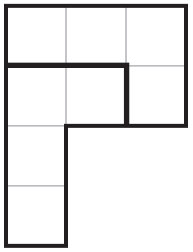
9. 54 is greater than 45.

$54 > 45$

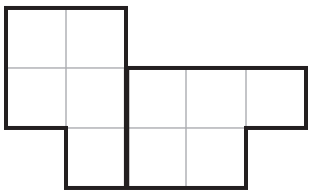
10. We can split the shape into two pieces that are the same shape and size as shown.



11. We can split the shape into two pieces that are the same shape and size as shown.



12. We can split the shape into two pieces that are the same shape and size as shown.



13. 35 is less than **4**5 which is less than 50.

$35 < 45 < 50$

14. 73 is less than **8**1 which is less than **9**0.

$73 < 81 < 90$

15. **1**8 is less than **2**7 which is less than 32.

$18 < 27 < 32$

16. 49 is less than **5**8 which is less than 5**9**.

$49 < 58 < 59$

17. We connect the dots as shown below.