



Are you ready for Beast Academy 3A?



Before beginning Beast Academy 3A, a student should be comfortable adding and subtracting multi-digit numbers and must have a solid understanding of place value.

A student ready for Beast Academy 3A should be able to answer at least 12 of the 16 problems below correctly.

Step 1. The student should try to answer every question without a calculator and without help.

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 that he or she answered incorrectly.

Fill in each blank below with the number that makes each equation true:

- | | | | |
|----|---------------------------------------|----|-------|
| 1. | $3 + 41 + 47 + 9 =$ _____ | 1. | _____ |
| 2. | $32 + 16 + 8 + 4 + 2 + 1 + 1 =$ _____ | 2. | _____ |
| 3. | $555 + 666 =$ _____ | 3. | _____ |
| 4. | $524 - 325 =$ _____ | 4. | _____ |
| 5. | _____ $- 12 = 75$ | 5. | _____ |
| 6. | $200 +$ _____ $= 567$ | 6. | _____ |
| 7. | $800 - 82 - 17 = 800 -$ _____ | 7. | _____ |
| 8. | $97 + 397 = 500 -$ _____ | 8. | _____ |

Write the following numbers with digits.

- | | | | |
|-----|--|-----|-------|
| 9. | Five thousand, four hundred seventy-three. | 9. | _____ |
| 10. | Sixteen thousand, fifty-two. | 10. | _____ |



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Answer each:

11. What is the sum of the thousands digit and the tens digit in 56,987? 11. _____

12. Which number below has a ones digit that is greater than its ten-thousands digit? 12. _____

90,287 26,532 41,902 47,658

13. Dave has the same number of action figures as Richard. Which of the following *could* be the number of action figures Dave and Richard have **all together**? 13. _____

15 23 46 79

14. Chelsea played 5 basketball games. In each game, she scored an odd number of points. Which of the following *could* be the total number of points Chelsea scored in all 5 games? 14. _____

10 22 33 40

15. What digit could fill **both** blanks below to make this five-digit number greater than 74,500 but less than 75,600? 15. _____

7 __, 4 __ 9

16. Akil was born 4 years before Kate. Ada is a year younger than Akil. If Ada is 9 years old, how many years old is Kate? 16. _____