# Are you ready for Beast Academy 1C?

Before beginning Beast Academy 1C, students should be able to add and subtract numbers within 100 using a variety of strategies.

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

A student ready for Beast Academy 1C 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 blanks to make the equations below true.*

**1.** $8+8=\boxed{\phantom{0}}$

**2.** $15-6=\boxed{\phantom{0}}$

**3.** $\boxed{\phantom{0}}=30+10$

**4.** $7+\boxed{\phantom{0}}=20$

**5.** $59-\boxed{\phantom{0}}=53$

**6.** $\boxed{\phantom{0}}+7=80$

**7.** $32-9=32-2-\boxed{\phantom{0}}$

**8.** $25+14=25+10+\boxed{\phantom{0}}$

**9.** $7+29+3=10+\boxed{\phantom{0}}$
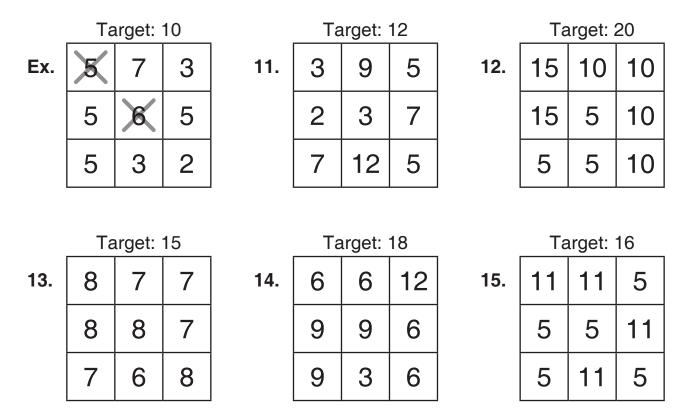
**10.** $38-2-2-2=38-\boxed{\phantom{0}}$

# Are you ready for Beast Academy 1C?

*Cross out numbers in each grid so that the remaining numbers in every row and column add up to the target sum as shown in the example.*

**Ex.** Target: 10

| ✗5 | 7 | 3 |
| --- | --- | --- |
| 5 | ✗6 | 5 |
| 5 | 3 | 2 |

**11.** Target: 12

| 3 | 9 | 5 |
| --- | --- | --- |
| 2 | 3 | 7 |
| 7 | 12 | 5 |

**12.** Target: 20

| 15 | 10 | 10 |
| --- | --- | --- |
| 15 | 5 | 10 |
| 5 | 5 | 10 |

**13.** Target: 15

| 8 | 7 | 7 |
| --- | --- | --- |
| 8 | 8 | 7 |
| 7 | 6 | 8 |

**14.** Target: 18

| 6 | 6 | 12 |
| --- | --- | --- |
| 9 | 9 | 6 |
| 9 | 3 | 6 |

**15.** Target: 16

| 11 | 11 | 5 |
| --- | --- | --- |
| 5 | 5 | 11 |
| 5 | 11 | 5 |

*Fill the empty squares below with numbers so that the equations from left-to-right and top-to-bottom are all correct.*

**16.**

| 30 | + | 5 | = | |
| --- | --- | --- | --- | --- |
| + | | + | | + |
| | + | | = | |
| = | | = | | = |
| 40 | + | 12 | = | |

**17.**

| | − | 7 | = | |
| --- | --- | --- | --- | --- |
| − | | − | | − |
| 41 | − | | = | |
| = | | = | | = |
| 8 | − | | = | 3 |

# Are you ready for Beast Academy 1C?

## *Solutions*

1. $8+8=\boxed{16}$
2. $15-6=\boxed{9}$
3. $\boxed{40}=30+10$
4. $7+\boxed{13}=20$
5. $59-\boxed{6}=53$
6. $\boxed{73}+7=80$
7. $32-9=32-2-\boxed{7}$
8. $25+14=25+10+\boxed{4}$
9. $7+29+3=10+\boxed{29}$
10. $38-2-2-2=38-\boxed{6}$

Ideally, students should be recognizing relationships between numbers in problems 7 through 10. For example, students should recognize that subtracting three 2's in problem ten is the same as subtracting 6 (without ever computing $38-2-2-2=32$).

Students who are not spotting these relationships might benefit from starting in Beast Academy 1B, which focuses on a variety of addition and subtraction strategies and helps build number sense for young students.

**11.** Target: 12

| 3 | 9 | ~~5~~ |
|---|---|---|
| 2 | 3 | 7 |
| 7 | ~~12~~ | 5 |

**12.** Target: 20

| ~~15~~ | 10 | 10 |
|---|---|---|
| 15 | 5 | ~~10~~ |
| 5 | 5 | 10 |

**13.** Target: 15

| 8 | 7 | ~~X~~ |
|---|---|---|
| ~~8~~ | 8 | 7 |
| 7 | ~~6~~ | 8 |

**14.** Target: 18

| ~~6~~ | 6 | 12 |
|---|---|---|
| 9 | 9 | ~~6~~ |
| 9 | 3 | 6 |

**15.** Target: 16

| 11 | ~~11~~ | 5 |
|---|---|---|
| ~~5~~ | 5 | 11 |
| 5 | 11 | ~~5~~ |

**16.**

| 30 | + | 5 | = | **35** |
|---|---|---|---|---|
| + | | + | | + |
| **10** | + | **7** | = | 17 |
| = | | = | | = |
| 40 | + | 12 | = | **52** |

**17.**

| **49** | − | 7 | = | **42** |
|---|---|---|---|---|
| − | | − | | − |
| 41 | − | **2** | = | **39** |
| = | | = | | = |
| 8 | − | **5** | = | 3 |