

Composing and Decomposing Numbers: math test solutions, Kindergarten – download the PDF

Test solutions with the detailed point scale. Add up your points and spot what to review.

Suggested time: 45 minutes. Out of 20 points. Calculator allowed only when the problem says so.

1 The ten frame

/ 4 pts

- a. There are **7** counters. (1 pt)
- b. There are **3** empty squares. (1 pt)
- c. **7 + 3 = 10**. (1 pt)
- d. **3 + 7 = 10**. (1 pt)

2 Making 5

/ 4 pts

- a. $4 + 1 = 5$. (1 pt)
- b. $2 + 3 = 5$. (1 pt)
- c. $5 = 3 + 2$. (1 pt)
- d. Accept any correct pair other than the ones above, for example $5 = 1 + 4$ or $5 = 0 + 5$. (1 pt)

3 Pairs that make 10

/ 4 pts

- a. $8 + 2 = 10$. (1 pt)
- b. $5 + 5 = 10$. (1 pt)
- c. $3 + 7 = 10$. (1 pt)
- d. False, because $6 + 3 = 9$. (1 pt)

4 A teen number

/ 4 pts

- a. The full frame has **10** counters. (1 pt)
- b. The second frame has **5** counters. (1 pt)
- c. $10 + 5 = 15$. (1 pt)
- d. The teen number is **15**. (1 pt)

5 Break apart teen numbers

/ 2 pts

- a. $17 = 10 + 7$. (1 pt)
- b. $12 = 10 + 2$. (1 pt)



Crayon box

/ 2 pts

Equation: **10 + 4 = 14.** (1 pt)

Sentence: Mia has **14 crayons.** (1 pt)



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