

Adding and Subtracting Within 1,000: math test solutions, Grade 2 – 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 Calculate

/ 4 pts

- a. $346 + 231 = 577$ (1 pt)
- b. $458 + 267 = 725$, regrouping ones and tens (1 pt)
- c. $672 - 341 = 331$ (1 pt)
- d. $703 - 258 = 445$, trading across the zero (1 pt)

2 Missing numbers

/ 3 pts

- a. $402 - 164 = 238$ (1 pt)
- b. $615 - 287 = 328$ (1 pt)
- c. $349 + 126 = 475$ (1 pt)

3 Base-ten drawing

/ 3 pts

- a. $7 + 6 = 13$ cubes. (1 pt)
- b. 13 cubes make 1 rod and 3 cubes, so $4 + 8 + 1 = 13$ rods. (1 pt)
- c. 13 rods make 1 flat and 3 rods, and $2 + 1 + 1 = 4$ flats. $247 + 186 = 433$. (1 pt)

4 Estimate

/ 3 pts

- a. $500 + 300 = 800$ (1 pt)
- b. $600 - 400 = 200$ (1 pt)
- c. $497 + 305 = 802$, close to the estimate 800 (1 pt)

5 Bakery problem

/ 4 pts

- a. $234 + 187 = 421$ (1 pt)
- b. $421 + 96 = 517$ (1 pt)
- c. $600 - 517 = 83$ (1 pt)

Answer sentence: the bakery had 83 muffins left over. (1 pt)

6 Find the error

/ 3 pts

- a. $335 + 178 = 513$, which is not 503. (1 pt)
- b. $503 - 178 = 325$. Check: $325 + 178 = 503$. (1 pt)
- c. Jake traded a ten for the ones but forgot to lower the tens digit from 10 to 9, so he wrote $10 - 7 = 3$ instead of $9 - 7 = 2$. (1 pt)



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