

Adding and Subtracting Whole Numbers: math test solutions, Grade 4 – 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 Compute

/ 4 pts

- a. Carry in the ones, tens, and hundreds: **9,441**. (1 pt)
- b. **70,415** + **8,987** = **79,402**. (1 pt)
- c. Borrow across the zeros: **5,329**. (1 pt)
- d. **60,000** – **24,318** = **35,682**. (1 pt)

2 Estimate

/ 3 pts

- a. **8,000** + **4,000** = **12,000**. (1 pt)
- b. **9,000** – **6,000** = **3,000**. (1 pt)
- c. Yes. 12,095 is very close to the estimate of 12,000. (1 pt)

3 Check the answer

/ 3 pts

- a. $3,644 + 4,756 = 8,400$, which is not 8,300. Ravi is wrong. (1 pt)
- b. $8,300 - 4,756 = 3,544$. (1 pt)
- c. He forgot that the hundreds digit was reduced by 1 after borrowing. (1 pt)

4 Aquarium visitors

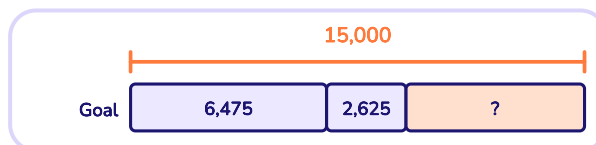
/ 3 pts

- a. $14,250 + 18,765 = 33,015$, then $33,015 + 16,980 = 49,995$. 49,995 visitors. (2 pts)
- b. $18,765 - 14,250 = 4,515$. 4,515 more visitors. (1 pt)

5 School fundraiser

/ 4 pts

- (a) Two bars: a long bar of 6,475 for the fair and a shorter bar for the bake sale, missing 3,850. (1 pt)
- (b) $6,475 - 3,850 = 2,625$ dollars. (1 pt)



- (c) $6,475 + 2,625 = 9,100$ dollars. (1 pt)
- (d) $15,000 - 9,100 = 5,900$ dollars. (1 pt)

6 Mystery number

/ 3 pts

- Undo “subtract 1,909” by adding: $9,000 + 1,909 = 10,909$. (1 pt)
- Undo “add 2,578” by subtracting: $10,909 - 2,578 = 8,331$. (1 pt)
- Check: $8,331 + 2,578 = 10,909$ and $10,909 - 1,909 = 9,000$. The number is 8,331. (1 pt)



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