

1. Zack ate $\frac{3}{8}$ of a nutrition bar. Adam ate $\frac{4}{8}$ of the same bar. How much of the bar did the boys eat in all?

(A) $\frac{1}{16}$
(B) $\frac{1}{8}$
(C) $\frac{7}{16}$
(D) $\frac{7}{8}$

2. Anna baked two pans of granola and cut each pan into 12 equal-sized bars. She gave her mom $\frac{5}{12}$ of a pan, and she gave her brother $\frac{11}{12}$ of a pan. How much of the granola did Anna give away?

(A) $\frac{2}{3}$ pan
(B) $1\frac{1}{3}$ pans
(C) $1\frac{1}{4}$ pans
(D) $1\frac{1}{2}$ pans

3. JT had a party hoagie that was cut into 10 equal parts. Ricky took 2 pieces of the hoagie, and Heidi took 3 pieces. How much of the hoagie is left?

(A) $\frac{4}{10}$
(B) $\frac{5}{10}$
(C) $\frac{6}{10}$
(D) $\frac{10}{10}$

4. Find the difference.

$$\frac{87}{100} - \frac{42}{100} = \boxed{}$$

(A) $\frac{1}{45}$
(B) $\frac{1}{4}$
(C) $\frac{9}{20}$
(D) 45

5. Which sum or difference is $8\frac{7}{12}$?

(A) $3\frac{5}{12} + 5\frac{2}{12}$
(B) $5\frac{5}{12} - 3\frac{2}{12}$
(C) $4\frac{3}{6} + 4\frac{4}{6}$
(D) $6\frac{1}{6} - 2\frac{6}{6}$

6. In one box there are $4\frac{2}{5}$ cups of rice. In another box there are $3\frac{1}{5}$ cups of rice. How much rice is in both boxes?

(A) $1\frac{1}{10}$ cups
(B) $1\frac{3}{5}$ cups
(C) $7\frac{3}{10}$ cups
(D) $7\frac{3}{5}$ cups

7. Find the difference.

$$9\frac{5}{6} - 7\frac{3}{6} = \boxed{}$$

- (A) $1\frac{1}{3}$
(B) $2\frac{1}{3}$
(C) $16\frac{2}{6}$
(D) $17\frac{2}{6}$

8. Complete the number sentence.

$$23\frac{7}{10} - \boxed{} = 10\frac{1}{10}$$

- (A) $33\frac{8}{10}$
(B) $33\frac{6}{10}$
(C) $13\frac{6}{10}$
(D) $12\frac{8}{10}$

9. Find the sum.

$$\frac{7}{10} + \frac{5}{100} = \boxed{}$$

- (A) $\frac{12}{110}$
(B) $\frac{57}{100}$
(C) $\frac{75}{110}$
(D) $\frac{75}{100}$

10. Devin and Kevin are working on a tile pattern, but they aren't sure they have the entire pattern. Devin has $\frac{48}{100}$ of the pattern and Kevin has $\frac{39}{100}$. Which number sentence shows how much of the pattern they have?

- (A) $\frac{48}{100} + \frac{39}{100} = \frac{87}{100}$
(B) $\frac{48}{100} + \frac{39}{100} = \frac{87}{200}$
(C) $\frac{48}{100} - \frac{39}{100} = \frac{9}{100}$
(D) $\frac{48}{100} - \frac{39}{100} = \frac{9}{0}$

11. Lena ordered a pizza for a meeting after school. There were 8 slices in the pizza. After the meeting, there was $\frac{2}{8}$ of the pizza left. Which number sentence shows how much of the pizza was taken?

- (A) $\frac{8}{8} + \frac{2}{8} = \frac{10}{16}$
(B) $\frac{8}{8} + \frac{2}{8} = \frac{10}{8}$
(C) $\frac{8}{8} - \frac{2}{8} = \frac{6}{8}$
(D) $\frac{8}{8} - \frac{2}{8} = \frac{6}{0}$

- 12.** Ayla and Balie are making a salad. Ayla added $\frac{3}{5}$ cup of Romaine lettuce. Balie added $\frac{4}{5}$ cup of leaf lettuce. How much lettuce did the girls add to the salad? Did they add more than 1 cup? Explain your answer.

- 13.** Tori is making pancakes for the basketball team. She has a mixing bowl with $19\frac{3}{4}$ cups of flour already in it. She will use a $\frac{1}{4}$ cup measuring cup to take $\frac{22}{4}$ cups of flour out of the bowl. How much flour will be left in the bowl when she is done? Show your work.

- 14.** Olga was helping her mother make items for her bedroom. She had planned on using $\frac{3}{12}$ of the roll of fabric she had for her pillow case, and she needs $\frac{10}{12}$ of the same fabric roll to make her blanket. How much fabric will Olga need to make both the pillow case and blanket? Will Olga's roll of fabric be enough? If yes, how much fabric will she have left? If no, how much fabric will she be short? Show your work.