



# Mixed Numbers and Improper Fractions

Name: \_\_\_\_\_

Date: \_\_\_\_\_

Grade: Grade 4

## Part A: Multiple Choice

Circle the best answer for each question.

1. Mia ate  $2\frac{1}{2}$  pizzas and Jake ate  $\frac{11}{4}$  pizzas.

Who ate more?

- A) Mia, since  $2\frac{1}{2} = \frac{10}{4} < \frac{11}{4}$
- B) Jake, since  $\frac{11}{4} = 2\frac{3}{4} > 2\frac{1}{2}$
- C) They ate equal amounts
- D) Cannot tell from the data

2. Which fraction is greater:  $\frac{17}{6}$  or  $2\frac{5}{6}$ ?

- A)  $\frac{17}{6}$ , because  $\frac{17}{6} = 2\frac{5}{6}$  they are equal
- B)  $2\frac{5}{6}$ , because it is the only mixed number
- C) They are equal — both equal  $\frac{17}{6}$
- D)  $\frac{17}{6}$  is greater than  $2\frac{5}{6}$

3. A jar holds  $\frac{9}{4}$  cups; a bottle holds  $2\frac{1}{3}$  cups.

Which is larger?

- A) The jar, since  $\frac{9}{4} > 2\frac{1}{3}$
- B) The bottle, since  $2\frac{1}{3} = \frac{28}{12} > \frac{27}{12} = \frac{9}{4}$
- C) They are equal
- D) Cannot decide without measuring

4. Runner A finished  $\frac{13}{5}$  laps; Runner B finished  $2\frac{3}{5}$  laps. What is true?

- A) A finished more laps than B
- B) B finished more laps than A
- C) They tied — both equal  $\frac{13}{5}$
- D) Not enough information

## Part B: Fill in the Blank

Write the correct answer on each line.

1.  $2\frac{1}{2}$  pizzas equals \_\_\_\_\_ /4 pizzas, which is less than  $\frac{11}{4}$ .
2.  $\frac{11}{4}$  pizzas equals 2 \_\_\_\_\_ /4 pizzas as a mixed number.
3. To compare  $\frac{9}{4}$  and  $2\frac{1}{3}$  fairly, use a common denominator of \_\_\_\_\_ .
4.  $2\frac{5}{6}$  written as an improper fraction is \_\_\_\_\_ /6.
5. If  $2\frac{3}{5} = \frac{13}{5}$  and  $\frac{13}{5} = 2\frac{3}{5}$ , the runners finished \_\_\_\_\_ laps each.

### Part A: Multiple Choice

Circle the best answer for each question.

1. Mia ate  $2\frac{1}{2}$  pizzas and Jake ate  $1\frac{1}{4}$  pizzas.

Who ate more?

- A) Mia, since  $2\frac{1}{2} = \frac{10}{4} < \frac{11}{4}$
- B) Jake, since  $1\frac{1}{4} = 2\frac{3}{4} > 2\frac{1}{2}$
- C) They ate equal amounts
- D) Cannot tell from the data

2. Which fraction is greater:  $\frac{17}{6}$  or  $2\frac{5}{6}$ ?

- A)  $\frac{17}{6}$ , because  $\frac{17}{6} = 2\frac{5}{6}$  they are equal
- B)  $2\frac{5}{6}$ , because it is the only mixed number
- C) They are equal — both equal  $\frac{17}{6}$
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3. A jar holds  $\frac{9}{4}$  cups; a bottle holds  $2\frac{1}{3}$  cups.

Which is larger?

- A) The jar, since  $\frac{9}{4} > 2\frac{1}{3}$
- B) The bottle, since  $2\frac{1}{3} = \frac{28}{12} > \frac{27}{12} = \frac{9}{4}$
- C) They are equal
- D) Cannot decide without measuring

4. Runner A finished  $\frac{13}{5}$  laps; Runner B finished  $2\frac{3}{5}$  laps. What is true?

- A) A finished more laps than B
- B) B finished more laps than A
- C) They tied — both equal  $\frac{13}{5}$
- D) Not enough information

### Part B: Fill in the Blank

Write the correct answer on each line.

1.  $2\frac{1}{2}$  pizzas equals 10 /4 pizzas, which is less than  $1\frac{1}{4}$ .
2.  $1\frac{1}{4}$  pizzas equals 2 3 /4 pizzas as a mixed number.
3. To compare  $\frac{9}{4}$  and  $2\frac{1}{3}$  fairly, use a common denominator of 12 .
4.  $2\frac{5}{6}$  written as an improper fraction is 17 /6.
5. If  $2\frac{3}{5} = \frac{13}{5}$  and  $\frac{13}{5} = 2\frac{3}{5}$ , the runners finished  $\frac{13}{5}$  laps each.