Name: _____ Date: _____

TEST PREP 6

Fractions and Mixed Numbers

25
Suggested Time: 30 min

Multiple Choice

(5 × 2 points = 10 points)

Fill in the circle next to the correct answer.

1. What is the sum of $\frac{1}{3}$ and $\frac{2}{9}$?

Ⓐ $\frac{2}{3}$ Ⓑ $\frac{5}{9}$ Ⓒ $\frac{3}{12}$ Ⓓ $\frac{1}{6}$

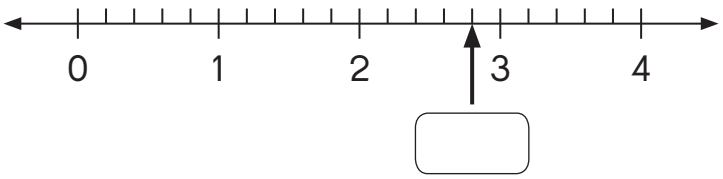
2. Which of the following fractions is not equivalent to $\frac{2}{3}$?

Ⓐ $\frac{4}{6}$ Ⓑ $\frac{3}{4}$ Ⓒ $\frac{10}{15}$ Ⓓ $\frac{16}{24}$

3. Find the difference between $\frac{1}{2}$ and $\frac{3}{8}$.

Ⓐ $\frac{1}{8}$ Ⓑ $\frac{4}{8}$ Ⓒ $\frac{2}{6}$ Ⓓ $\frac{7}{8}$

4. What fraction belongs in the box?



Ⓐ 24 Ⓑ $2\frac{3}{4}$ Ⓒ $2\frac{4}{5}$ Ⓓ 3

5. Express $\frac{12}{7}$ as a mixed number.

Ⓐ $1\frac{2}{7}$ Ⓑ $7\frac{1}{2}$ Ⓒ $2\frac{1}{7}$ Ⓓ $1\frac{5}{7}$

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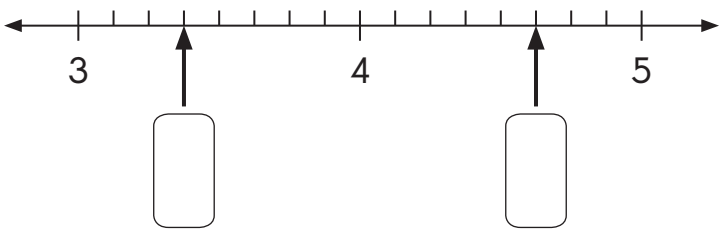
Short Answer

(5 × 2 points = 10 points)

Solve.

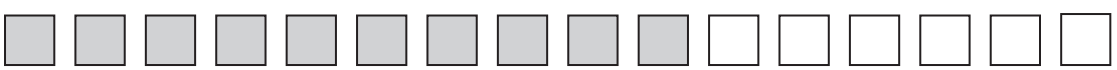
6. Write $\frac{16}{5}$ as a mixed number.

7. Express the missing mixed numbers on the number line as improper fractions.



8. Add $\frac{3}{4}$ and $\frac{5}{8}$. Give your answer as a mixed number.

9. What fraction of the set is unshaded? Give your answer in simplest form.



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Extended Response

(Question 10: 2 points, Question 11: 3 points)

Solve. Show your work.

10. Maggie has 20 ribbons. $\frac{2}{5}$ of the ribbons are polka-dotted ribbons. How many ribbons are not polka-dotted?

11. What is the total weight of 3 bags if their individual weights are $\frac{2}{5}$, $\frac{7}{10}$, and $\frac{3}{5}$ pound? Give your answer as a mixed number in simplest form.