TEST PREP

(4) # Multiplying and Dividing Fractions and Mixed Numbers

25

Suggested Time: 30 min
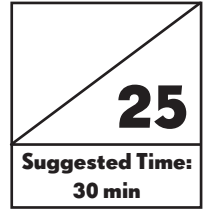
Multiple Choice (5 × 2 points = 10 points)

Fill in the circle next to the correct answer.

1. Multiply $\frac{4}{5}$ by $\frac{15}{16}$. Give your answer in simplest form.

(A) $\frac{3}{4}$ (B) $\frac{60}{80}$ (C) $\frac{19}{21}$ (D) $\frac{20}{21}$

2. Which has the same value as $\frac{5}{8} \div 3$?

(A) $\frac{5}{8} \times \frac{3}{1}$ (B) $\frac{8}{5} \times \frac{3}{1}$ (C) $\frac{5}{8} \times \frac{1}{3}$ (D) $\frac{8}{5} \times \frac{1}{3}$

3. Joe has $\frac{8}{9}$ kilogram of clay. He uses $\frac{3}{4}$ of it to make a vase.
How much clay is left?

(A) $\frac{5}{36}$ kg   (B) $\frac{23}{36}$ kg   (C) $\frac{2}{9}$ kg   (D) $\frac{7}{9}$ kg

4. Daisy has $5\frac{1}{2}$ pounds of chocolate. She uses $\frac{4}{5}$ of it to bake brownies. How much chocolate does she use to bake brownies?

(A) $2\frac{1}{5}$ lb   (B) $2\frac{2}{5}$ lb   (C) $3\frac{3}{7}$ lb   (D) $4\frac{2}{5}$ lb

5. Claire picked some apples. She used $\frac{2}{5}$ of the apples to make jam. She gave $\frac{1}{3}$ of the remainder to her neighbor. What fraction of the apples did she give to her neighbor?

(A) $\frac{2}{15}$ (B) $\frac{1}{5}$ (C) $\frac{2}{5}$ (D) $\frac{3}{5}$

Short Answer   (5 × 2 points = 10 points)

Multiply or divide. Express your answer in simplest form.

6.   **a.** $5\frac{5}{8} \times 18$ **b.** $\frac{3}{8} \div 12$

Solve. Show your work.

7.   Jill had $\frac{4}{5}$ meter of cloth. She cut it into 8 equal pieces. What is the length of each piece?

8.   Tom works $1\frac{3}{4}$ hours a day at a café. He is paid $8 an hour. How much money is he paid in 10 days?

Solve. Show your work.

9. Tyron takes $\frac{3}{4}$ hour to paint a wall. His brother takes $\frac{1}{3}$ of the time he takes. How long will his brother take to paint 5 similar walls?

10. Susan has \$80. She spends $\frac{3}{5}$ of the money on Monday. She spends the remaining money equally over the next 5 days. How much money does she spend on each of the 5 days?

Extended Response   (Question 11: 2 points, Question 12: 3 points)

Solve. Show your work.

11. Lisa has some clips. $\frac{1}{4}$ of the clips are pink, $\frac{1}{3}$ of the remainder are blue, and the rest are yellow. What fraction of the clips are yellow?

12. Klein read 30 pages of a book on Monday and $\frac{1}{8}$ of the book on Tuesday. He completed the remaining $\frac{1}{4}$ of the book on Wednesday. How many pages are there in the book?