

Study Island

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Title: **Blizzard Bag 3**

1. Carter brought $3\frac{2}{3}$ gallons of water on his 3-day camping trip. Carter determined he could drink $\frac{1}{3}$ of the water each day. How many gallons of water can he drink each day?

- A. $2\frac{1}{9}$
 - B. $1\frac{4}{13}$
 - C. $1\frac{2}{9}$
 - D. $\frac{11}{12}$
-

2. Gerri is working on a project that needs to be halfway completed by Friday. So far, she has completed $\frac{1}{5}$ of the project. How much of the project does she have to finish by Friday?

- A. $\frac{3}{5}$
 - B. $\frac{3}{10}$
 - C. $\frac{2}{5}$
 - D. $\frac{7}{10}$
-

3. Which of the following fractions makes the number sentence true?

$$\frac{3}{5} \times ? > \frac{3}{5}$$

A. $\frac{3}{8}$

B. $\frac{8}{3}$

C. $\frac{8}{6}$

4. Solve the following.

$$\frac{1}{8} \div 3 = ?$$

A. $\frac{3}{8}$

B. $\frac{3}{8}$

C. $\frac{1}{24}$

D. 24

5. At the candy store, Cheryl bought $\frac{1}{2}$ of a pound of cherry taffy and $\frac{1}{5}$ of a pound of chocolate taffy. How much taffy did she buy?

A. $\frac{7}{10}$ of a pound

B. $\frac{1}{2}$ of a pound

C. $\frac{2}{7}$ of a pound

D. $\frac{4}{5}$ of a pound

6. Simplify the following expression.

$$\frac{1}{2} + \frac{1}{4} = ?$$

A. $\frac{3}{4}$

B. $\frac{1}{3}$

C. $\frac{3}{8}$

D. $\frac{1}{2}$

7.

$$\frac{7}{8} - \frac{1}{4} = ?$$

A. $\frac{5}{8}$

B. $\frac{3}{4}$

C. $\frac{1}{2}$

D. $\frac{5}{8}$

8.

$$1\frac{2}{3} + 2\frac{1}{2}$$

A. $4\frac{2}{3}$

B. $4\frac{1}{6}$

C. $5\frac{1}{6}$

D. $3\frac{5}{6}$

9. Simplify the following expression.

$$\frac{1}{8} + \frac{3}{16} = ?$$

- A. $\frac{5}{16}$
 - B. $\frac{5}{32}$
 - C. $\frac{1}{6}$
 - D. $\frac{1}{4}$
-

10. Martha was making apple tarts. She added $\frac{1}{2}$ cup of sugar in the beginning. Later, she added another $\frac{1}{4}$ cup of sugar. Martha estimated that she added about $\frac{1}{6}$ cup of sugar in all. Is Martha's estimate reasonable?

- A. No, because $\frac{1}{2} > \frac{1}{6}$, so the sum of $\frac{1}{2}$ and $\frac{1}{4}$ cannot be $\frac{1}{6}$.
 - B. No, because she should have added the numerators.
 - C. Yes, because she added the denominators.
 - D. Yes, because $\frac{1}{2} + \frac{1}{4} = \frac{1}{6}$.
-

11.

$$\frac{1}{3} - \frac{2}{9} = ?$$

- A. $\frac{1}{3}$
 - B. $\frac{1}{6}$
 - C. $\frac{1}{9}$
 - D. $\frac{1}{4}$
-

12. Simplify the following expression.

$$\frac{1}{6} + \frac{7}{12} = ?$$

- A. $\frac{3}{8}$
 - B. $\frac{3}{4}$
 - C. $\frac{2}{3}$
 - D. $\frac{4}{9}$
-

13. Find the value of the expression below.

$$15 \times \frac{2}{9}$$

- A. $\frac{25}{3}$
 - B. 5
 - C. $\frac{10}{3}$
 - D. $\frac{20}{3}$
-

14. Solve the following.

$$\frac{1}{2} \div 9 = ?$$

- A. $\frac{9}{2}$
- B. 18
- C. $\frac{2}{9}$

D. $\frac{1}{18}$

15. Which expression is equivalent to $\frac{14}{15}$?

A. $15 \div \frac{1}{14}$

B. $14 \div 15$

C. $14 \div \frac{1}{15}$

D. $15 \div 14$

16. Which of the following expressions have a product less than 2?

I : $\frac{1}{12} \times 2$

II : $\frac{3}{4} \times 2$

III : $\frac{7}{3} \times 2$

IV : $\frac{9}{5} \times 2$

A. I only

B. III and IV

C. I, II, and III

D. I and II

17. Eve started reading a novel yesterday. She read $\frac{2}{7}$ of the novel yesterday and $\frac{1}{5}$ of the novel today. How much of the novel has she read so far, given that there haven't been any additional reading?

A. $\frac{3}{7}$

B. $\frac{17}{35}$

C. $\frac{11}{35}$

D. $\frac{3}{35}$

18. Which of the following is not equivalent to the expression below?

$$\frac{1}{3} \times 9$$

A. $\frac{1 \times 9}{3}$

B. $1 \times 9 \div 3$

C. $\frac{1}{3 \times 9}$

D. $1 \times \frac{9}{3}$

19.

$$\frac{4}{8} \times \frac{4}{6} = ?$$

A. $\frac{1}{3}$

B. $\frac{3}{4}$

C. $1\frac{1}{7}$

D. $\frac{1}{6}$

20. Find the area of the rectangle shown below.

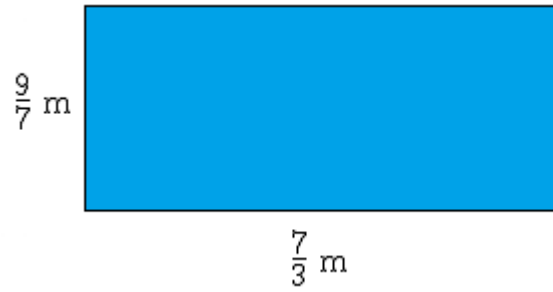


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- A. 3sq m
 - B. $\frac{63}{7}$ sq m
 - C. $\frac{76}{21}$ sq m
 - D. $\frac{157}{21}$ sq m
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