

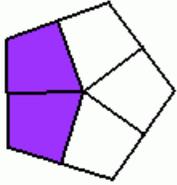
Early Fraction Skills Test

Name: _____

This sample fraction skills test was created using our custom assessment tool in only a few minutes. Using this tool, you can put together any number of math problems from any difficulty level from any of our math topics. As you can see, this is a very powerful feature found in our school version. In addition to being a printable test, you can also assign this exact test to your students online so that everything is automatically graded.

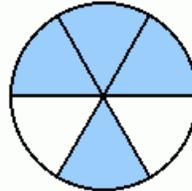
Select all fractions that are equivalent to the shaded part of the figure shown.

1.



- $\frac{2}{5}$ $\frac{1}{3}$ 0 $\frac{4}{4}$ $\frac{3}{4}$
 $\frac{3}{5}$ $\frac{2}{2}$

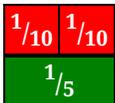
2.



- $\frac{2}{3}$ $\frac{1}{4}$ $\frac{3}{4}$ $\frac{2}{6}$ $\frac{3}{3}$
 $\frac{5}{5}$ $\frac{3}{6}$ $\frac{4}{6}$

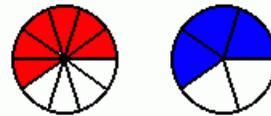
Fill in the blank.

3. 1



$$\frac{2}{10} = \frac{\quad}{5}$$

4.



$$\frac{6}{10} = \frac{\quad}{5}$$

Simplify each fraction.

5. $\frac{4}{6} =$

6. $\frac{12}{8} =$

Add each pair of fractions and simplify the result.

$$7. \frac{1}{5} + \frac{2}{5}$$

$$8. \frac{5}{12} + \frac{7}{12}$$

$$9. \frac{2}{12} + \frac{8}{12}$$

Use $>$, $<$, or $=$ to relate the two fractions.

$$10. \begin{array}{c} > \\ \frac{3}{4} < \frac{2}{4} \\ = \end{array}$$

$$11. \begin{array}{c} > \\ \frac{1}{2} < \frac{1}{8} \\ = \end{array}$$

$$12. \begin{array}{c} > \\ \frac{1}{6} < \frac{1}{3} \\ = \end{array}$$

Multiply. Give the answer in both unsimplified (improper) and simplified (mixed number) forms.

$$13. \frac{2}{3} \times 8 =$$

Divide. Answer in simplified form.

$$14. \frac{1}{6} \div 3 = \underline{\hspace{2cm}}$$

Subtract each pair of fractions and simplify the result.

15. $\frac{10}{12} - \frac{1}{12}$

16. $\frac{9}{10} - \frac{1}{10}$

17. $\frac{5}{9} - \frac{1}{9}$

18. $\frac{4}{6} - \frac{1}{6}$

Solve. Give the answer in simplest form.

19. There is a box of buttons where $\frac{2}{12}$ are white, $\frac{5}{12}$ are brown, and $\frac{5}{12}$ are black. What fraction of the box has white and brown buttons?

20. Christine cleaned $\frac{2}{6}$ of her house in the morning and $\frac{3}{6}$ of the house in the afternoon. What part of the house did she clean altogether?

Solve. Give the answer in simplest form.

21. Sharon practices $\frac{1}{2}$ hour of soccer each day for 3 days. How many hours of soccer did she practice total?

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Answer Key

1. 2/5 1/3 0 4/4
 3/4 3/5 2/2

2. 2/3 1/4 3/4 2/6 3/3
 5/5 3/6 4/6

3. $\frac{2}{10} = \frac{1}{5}$

4. $\frac{6}{10} = \frac{3}{5}$

5. $\frac{2}{3}$

6. $1\frac{1}{2}$

7. $\frac{3}{5}$

8. 1 ·

9. $\frac{5}{6}$

10. $\frac{3}{4} > \frac{2}{4}$

11. $\frac{1}{2} > \frac{1}{8}$

12. $\frac{1}{6} < \frac{1}{3}$

13. $\frac{16}{3}$ Answer before simplifying

14. $\frac{1}{6} \div 3 = \frac{1}{18}$

$5\frac{1}{3}$ Simplified answer

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

16. $\frac{4}{5}$

17. $\frac{4}{9}$

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

19. $\frac{7}{12}$

20. $\frac{5}{6}$

21. $1\frac{1}{2}$ hours of soccer