

28**Math Skills Maintenance****Simplifying Fractions**

Write each fraction in simplest form.

1. $\frac{5}{25}$	2. $\frac{15}{3}$	3. $\frac{16}{58}$
4. $\frac{18}{280}$	5. $\frac{6}{18}$	6. $\frac{12}{144}$
7. $\frac{14}{98}$	8. $\frac{2}{7}$	9. $\frac{6}{8}$

Solve. Write each answer in simplest form.

10. Ana had softball practice for 2 hours. She practiced pitching for 20 minutes. For what fraction of the time did she practice pitching?	11. Michelle went to Spain for 22 days in June. What fraction of the month of June did Michelle spend in Spain?
12. Lee has 20 cousins. If 12 of Lee's cousins came to the family reunion, what fraction of his cousins attended?	13. The gas tank in Michael's car can hold 18.0 gallons. If the tank currently contains 5.5 gallons, what fraction of the tank is full?

NAME _____

Multiplication

$$\frac{4}{5} \times \frac{3}{7} = \frac{4 \times 3}{5 \times 7} \\ = \frac{12}{35}$$

What is the greatest common factor of 12 and 35? _____

Is $\frac{12}{35}$ in simplest form? _____

$$\frac{3}{10} \times \frac{4}{15} = \frac{3 \times 4}{10 \times 15} \quad \frac{12}{150} = \frac{12 \div 6}{150 \div 6} \\ = \frac{2}{25} \\ = \frac{2}{25}$$

What is the greatest common factor of 12 and 150? _____

Is $\frac{12}{150}$ in simplest form? _____

Is $\frac{2}{25}$ in simplest form? _____

Express each product in simplest form.

a

1. $\frac{5}{7} \times \frac{2}{8}$

b

$\frac{3}{5} \times \frac{1}{2}$

c

$\frac{7}{8} \times \frac{3}{4}$

2. $\frac{3}{7} \times \frac{2}{5}$

$\frac{1}{4} \times \frac{7}{8}$

$\frac{3}{5} \times \frac{4}{9}$

3. $\frac{4}{7} \times \frac{3}{8}$

$\frac{9}{10} \times \frac{5}{6}$

$\frac{5}{9} \times \frac{6}{10}$

4. $\frac{8}{15} \times \frac{5}{12}$

$\frac{5}{12} \times \frac{16}{25}$

$\frac{4}{21} \times \frac{9}{14}$

5. $\frac{6}{7} \times \frac{14}{21}$

$\frac{7}{8} \times \frac{11}{12}$

$\frac{3}{10} \times \frac{7}{8}$

Check your answers. Record your score.

Perfect score: 15

My score: _____

Problems

Solve. Express each answer in simplest form.

1. A box is $\frac{3}{4}$ filled with soap. Mother used $\frac{1}{2}$ of this amount to do the washing. What fractional part of the full box did Mother use to do the washing?

She used _____ of the full box.

2. Five sixths of a room is now painted. Ken did $\frac{2}{3}$ of the painting. What fractional part of the room did Ken paint?

Ken painted _____ of the room.

3. Rose has read $\frac{8}{9}$ of a book. Today she read $\frac{3}{4}$ of this amount. What fractional part of the book did she read today?

She read _____ of the book today.

4. Three fourths of a pie was placed on the table. Bill and Nancy ate $\frac{2}{3}$ of what was there. What fractional part of the whole pie did they eat?

They ate _____ of the whole pie.

5. Nine sixteenths of the jelly beans in a bag were green. The girls ate $\frac{2}{3}$ of the green jelly beans. What fractional part of all the jelly beans did they eat?

They ate _____ of the jelly beans.

6. Seven sixteenths of the jelly beans in the bag were red. The boys ate $\frac{4}{7}$ of the red jelly beans. What fractional part of the jelly beans did they eat?

They ate _____ of the jelly beans.

7. A job is $\frac{9}{10}$ completed. Mr. Willett did $\frac{5}{6}$ of the work. What fractional part of the entire job did he complete?

He completed _____ of the entire job.

1.

2.

3.

4.

5.

6.

7.

Check your answers. Record your score.

Perfect score: 7

My score: _____

WORDS TO SCARE A THIEF

DIRECTIONS: The multiplication table below contains 35 mistakes.
 Shade in each box which contains a mistake. Be sure
 to use pencil so you can erase if necessary.

YOU WILL END UP WITH FOUR WORDS THAT ARE GUARANTEED
 TO SCARE A THIEF.

\times	$\frac{1}{3}$	$\frac{1}{4}$	3	$\frac{1}{5}$	$\frac{1}{8}$	7	5
$\frac{1}{2}$	$\frac{1}{8}$	$\frac{1}{2}$	$\frac{1}{5}$	$\frac{1}{10}$	$\frac{1}{4}$	7	$\frac{5}{7}$
$\frac{1}{6}$	$\frac{1}{9}$	$\frac{1}{24}$	$\frac{1}{3}$	$\frac{1}{30}$	$\frac{1}{48}$	1	$\frac{5}{6}$
9	4	$\frac{9}{4}$	12	$\frac{9}{5}$	$\frac{9}{8}$	$\frac{2}{3}$	45
6	3	$\frac{1}{10}$	27	$\frac{6}{5}$	$\frac{4}{3}$	$\frac{6}{7}$	11
$\frac{1}{10}$	$\frac{1}{30}$	$\frac{1}{40}$	$\frac{3}{10}$	$\frac{1}{50}$	$\frac{1}{80}$	$\frac{7}{10}$	$\frac{1}{2}$
$\frac{1}{7}$	$\frac{1}{4}$	$\frac{1}{3}$	$\frac{7}{3}$	$\frac{1}{35}$	$\frac{7}{8}$	1	$\frac{1}{35}$
$\frac{1}{12}$	36	$\frac{1}{48}$	$\frac{1}{4}$	$\frac{1}{60}$	$\frac{4}{3}$	$\frac{7}{12}$	60
12	6	3	36	$\frac{12}{5}$	$\frac{2}{3}$	84	$\frac{5}{12}$
10	$\frac{3}{10}$	$\frac{2}{5}$	$\frac{3}{10}$	2	$\frac{1}{80}$	$\frac{1}{70}$	15

LINEUP



DIRECTIONS: Draw a straight line connecting each problem with its correct answer. Each line will cross a number and a letter. The number tells you where to put the letter in the row of boxes at the bottom of the page.



- $\frac{1}{3} \times \frac{5}{6}$ ■
- $\frac{6}{7} \times \frac{2}{5}$ ■
- $\frac{4}{5} \times \frac{2}{7}$ ■
- $\frac{3}{8} \times 5$ ■
- $\frac{2}{9} \times \frac{1}{5}$ ■
- $7 \times \frac{3}{10}$ ■
- $\frac{5}{2} \times \frac{3}{2}$ ■
- $\frac{4}{13} \times \frac{8}{3}$ ■
- $\frac{2}{11} \times 9$ ■
- $\frac{3}{4} \times \frac{1}{10}$ ■
- $\frac{7}{3} \times \frac{4}{15}$ ■
- $16 \times \frac{3}{7}$ ■
- $\frac{11}{12} \times \frac{1}{5}$ ■
- $\frac{9}{10} \times \frac{11}{10}$ ■
- $\frac{7}{9} \times \frac{5}{2}$ ■
- $\frac{1}{2} \times \frac{19}{18}$ ■
- $\frac{7}{8} \times 7$ ■

Scattered numbers and letters for matching:

- 7
- 13
- 3
- 17
- 5
- 10
- 9
- 12
- 4
- 14
- 1
- 2
- 16
- E
- T
- S
- M
- R
- 15
- R
- R
- 8
- 11
- E
- A
- T
- U
- P
- N
- A
- O
- S
- O

- $\frac{8}{35}$
- $\frac{21}{10}$
- $\frac{5}{18}$
- $\frac{35}{18}$
- $\frac{15}{4}$
- $\frac{15}{8}$
- $\frac{18}{11}$
- $\frac{28}{45}$
- $\frac{11}{60}$
- $\frac{12}{35}$
- $\frac{99}{100}$
- $\frac{2}{45}$
- $\frac{19}{36}$
- $\frac{49}{8}$
- $\frac{32}{39}$
- $\frac{3}{40}$
- $\frac{48}{7}$

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17
---	---	---	---	---	---	---	---	---	----	----	----	----	----	----	----	----