

Dear Parents/Guardians,

It is hard to believe, but this school year is quickly coming to an end. In an effort to keep your child's mathematics skills fresh, the fourth grade teachers have put together a packet of practice problems. We understand that summer is a time to unwind, go on vacation, and spend quality time with friends and family. But it is also important to make sure the students have not forgotten everything they have spent so much time learning. If your child averages just 5 problems a day Monday through Friday, (about 10 minutes per day) they will have this packet completed before the start of school in September. Even if you take a week off for vacation, do not worry; there are plenty of extra days to work on the problems. This small effort will truly pay off when your child returns to school for fifth grade. In addition to completing this Math packet, students are encouraged to visit some of the following math websites. Many of them have been used in class throughout the year. This is a great resource for students to have fun while keeping fresh with their skills.

www.mrnussbaum.com

www.mathplayground.com

www.math-play.com

www.hoodamath.com

www.aaamath.com

www.funbrain.com

www.coolmath4kids.com

www.jmathpage.com

Practice Page: Addition & Subtraction 3 and 4 digits, with regrouping



Add the
ones
column.

$$\begin{array}{r} 163 \\ + 482 \\ \hline 645 \end{array}$$

Add the
tens
column.

$$\begin{array}{r} 163 \\ + 482 \\ \hline 645 \end{array}$$

Add the
hundreds
column.

$$\begin{array}{r} 163 \\ + 482 \\ \hline 645 \end{array}$$

Subtract
the **ones**
column.

$$\begin{array}{r} 512 \\ - 241 \\ \hline 271 \end{array}$$

Regroup the
tens column
and subtract.

$$\begin{array}{r} 4 \quad 1 \quad 2 \\ \cancel{5} \quad 1 \quad 2 \\ - 2 \quad 4 \quad 1 \\ \hline 2 \quad 7 \quad 1 \end{array}$$

Subtract the
hundreds
column.

$$\begin{array}{r} 4 \quad 1 \quad 2 \\ \cancel{5} \quad 1 \quad 2 \\ - 2 \quad 4 \quad 1 \\ \hline 2 \quad 7 \quad 1 \end{array}$$

Add.

- | | | | | | | |
|----|---|---|---|---|---|---|
| 1. | $\begin{array}{r} 231 \\ + 762 \\ \hline \end{array}$ | $\begin{array}{r} 461 \\ + 329 \\ \hline \end{array}$ | $\begin{array}{r} 647 \\ + 282 \\ \hline \end{array}$ | $\begin{array}{r} 513 \\ + 864 \\ \hline \end{array}$ | $\begin{array}{r} 767 \\ + 350 \\ \hline \end{array}$ | $\begin{array}{r} 354 \\ + 937 \\ \hline \end{array}$ |
| 2. | $\begin{array}{r} 598 \\ + 324 \\ \hline \end{array}$ | $\begin{array}{r} 318 \\ + 487 \\ \hline \end{array}$ | $\begin{array}{r} 667 \\ + 571 \\ \hline \end{array}$ | $\begin{array}{r} 467 \\ + 664 \\ \hline \end{array}$ | $\begin{array}{r} 873 \\ + 168 \\ \hline \end{array}$ | $\begin{array}{r} 248 \\ + 367 \\ \hline \end{array}$ |
| 3. | $\begin{array}{r} 317 \\ + 218 \\ \hline \end{array}$ | $\begin{array}{r} 466 \\ + 871 \\ \hline \end{array}$ | $\begin{array}{r} 504 \\ + 947 \\ \hline \end{array}$ | $\begin{array}{r} 846 \\ + 516 \\ \hline \end{array}$ | $\begin{array}{r} 496 \\ + 570 \\ \hline \end{array}$ | $\begin{array}{r} 651 \\ + 947 \\ \hline \end{array}$ |

Subtract.

- | | | | | | |
|----|---|---|---|---|---|
| 4. | $\begin{array}{r} 597 \\ - 162 \\ \hline \end{array}$ | $\begin{array}{r} 618 \\ - 209 \\ \hline \end{array}$ | $\begin{array}{r} 381 \\ - 159 \\ \hline \end{array}$ | $\begin{array}{r} 947 \\ - 763 \\ \hline \end{array}$ | $\begin{array}{r} 265 \\ - 177 \\ \hline \end{array}$ |
| 5. | $\begin{array}{r} 1,471 \\ - 254 \\ \hline \end{array}$ | $\begin{array}{r} 2,284 \\ - 743 \\ \hline \end{array}$ | $\begin{array}{r} 1,248 \\ - 726 \\ \hline \end{array}$ | $\begin{array}{r} 1,420 \\ - 803 \\ \hline \end{array}$ | $\begin{array}{r} 2,019 \\ - 249 \\ \hline \end{array}$ |
| 6. | $\begin{array}{r} 2,000 \\ - 637 \\ \hline \end{array}$ | $\begin{array}{r} 3,164 \\ - 726 \\ \hline \end{array}$ | $\begin{array}{r} 1,907 \\ - 267 \\ \hline \end{array}$ | $\begin{array}{r} 2,546 \\ - 467 \\ \hline \end{array}$ | $\begin{array}{r} 1,644 \\ - 795 \\ \hline \end{array}$ |
| 7. | $\begin{array}{r} 1,543 \\ - 942 \\ \hline \end{array}$ | $\begin{array}{r} 1,986 \\ - 898 \\ \hline \end{array}$ | $\begin{array}{r} 1,762 \\ - 781 \\ \hline \end{array}$ | $\begin{array}{r} 1,400 \\ - 621 \\ \hline \end{array}$ | $\begin{array}{r} 3,410 \\ - 348 \\ \hline \end{array}$ |



Name _____

Date _____

Practice Page: Multiplication 2 and 3 digits by 2 digits

Multiply.

1. $\begin{array}{r} 64 \\ \times 20 \\ \hline \end{array}$ $\begin{array}{r} 37 \\ \times 10 \\ \hline \end{array}$ $\begin{array}{r} 56 \\ \times 80 \\ \hline \end{array}$ $\begin{array}{r} 19 \\ \times 30 \\ \hline \end{array}$ $\begin{array}{r} 87 \\ \times 50 \\ \hline \end{array}$ $\begin{array}{r} 92 \\ \times 70 \\ \hline \end{array}$

2. $\begin{array}{r} 18 \\ \times 25 \\ \hline \end{array}$ $\begin{array}{r} 64 \\ \times 31 \\ \hline \end{array}$ $\begin{array}{r} 53 \\ \times 12 \\ \hline \end{array}$ $\begin{array}{r} 23 \\ \times 62 \\ \hline \end{array}$ $\begin{array}{r} 46 \\ \times 30 \\ \hline \end{array}$ $\begin{array}{r} 19 \\ \times 32 \\ \hline \end{array}$

3. $\begin{array}{r} 62 \\ \times 21 \\ \hline \end{array}$ $\begin{array}{r} 27 \\ \times 84 \\ \hline \end{array}$ $\begin{array}{r} 49 \\ \times 67 \\ \hline \end{array}$ $\begin{array}{r} 36 \\ \times 25 \\ \hline \end{array}$ $\begin{array}{r} 57 \\ \times 26 \\ \hline \end{array}$ $\begin{array}{r} 37 \\ \times 18 \\ \hline \end{array}$

4. $\begin{array}{r} 92 \\ \times 16 \\ \hline \end{array}$ $\begin{array}{r} 31 \\ \times 28 \\ \hline \end{array}$ $\begin{array}{r} 19 \\ \times 66 \\ \hline \end{array}$ $\begin{array}{r} 21 \\ \times 82 \\ \hline \end{array}$ $\begin{array}{r} 62 \\ \times 83 \\ \hline \end{array}$ $\begin{array}{r} 19 \\ \times 43 \\ \hline \end{array}$

5. $\begin{array}{r} 81 \\ \times 15 \\ \hline \end{array}$ $\begin{array}{r} 57 \\ \times 33 \\ \hline \end{array}$ $\begin{array}{r} 12 \\ \times 85 \\ \hline \end{array}$ $\begin{array}{r} 76 \\ \times 19 \\ \hline \end{array}$ $\begin{array}{r} 69 \\ \times 73 \\ \hline \end{array}$ $\begin{array}{r} 86 \\ \times 79 \\ \hline \end{array}$



Name _____

Date _____

Practice Page: Division 3-digit dividends with and without remainders

Divide.

1. $2 \overline{)654}$

$5 \overline{)671}$

$3 \overline{)964}$

$8 \overline{)937}$

$4 \overline{)617}$

2. $4 \overline{)672}$

$7 \overline{)743}$

$9 \overline{)367}$

$3 \overline{)421}$

$6 \overline{)876}$

3. $8 \overline{)864}$

$6 \overline{)917}$

$2 \overline{)415}$

$5 \overline{)981}$

$4 \overline{)633}$

4. $2 \overline{)505}$

$9 \overline{)121}$

$3 \overline{)226}$

$9 \overline{)215}$

$5 \overline{)809}$

5. $8 \overline{)647}$

$5 \overline{)537}$

$3 \overline{)601}$

$7 \overline{)632}$

$4 \overline{)498}$



Rewriting Mixed Numbers

To change an improper fraction to a mixed number, divide the numerator by the denominator and place the remainder as the numerator.

$$\frac{14}{3} = 4\frac{2}{3}$$



$14 \div 3 = 4$ with 2 left over. So $\frac{14}{3}$ can be renamed $4\frac{2}{3}$.

Rewrite each fraction as a mixed number.

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

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

3. $\frac{9}{8} =$

4. $\frac{8}{3} =$

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

6. $\frac{7}{4} =$

7. $\frac{9}{3} =$

8. $\frac{11}{10} =$

9. $\frac{10}{7} =$

10. $\frac{19}{8} =$

11. $\frac{9}{5} =$

12. $\frac{31}{10} =$

13. $\frac{23}{10} =$

14. $\frac{17}{8} =$

15. $\frac{13}{3} =$

16. $\frac{25}{12} =$

17. $\frac{28}{9} =$

18. $\frac{9}{4} =$

19. $\frac{13}{6} =$

20. $\frac{76}{25} =$

Measurement: Standard Capacity



12 inches (in.) = 1 foot (ft.)
 3 feet (ft.) = 1 yard (yd.)
 1,760 yards (yd.) = 1 mile (mi.)

Find the missing numbers.

1. 24 in. = _____ ft. 6 ft. = _____ in. 8 yd. = _____ ft.

2. 2 yd. = _____ ft. 3 mi. = _____ yd. 45 ft. = _____ yd.

3. 4 ft. = _____ in. 27 ft. = _____ yd. 60 in. = _____ ft.

4. 3,520 yd. = _____ mi. 6 yd. = _____ ft. 5 ft. = _____ in.

5. 7 ft. = _____ in. 30 ft. = _____ yd. 4 mi. = _____ yd.

Answer each question.

6. Peter needs 42 feet of string for his project. How many yards should he buy?

7. Ruby needs 144 inches of ribbon. How many yards does she need to buy?

8. Jaclyn buys 6 yards of fabric. How many feet of fabric does she have?

9. Jorge is 5 feet and 6 inches tall. How many inches tall is Jorge?

Measurement: Standard Capacity



1 year (yr.) = 12 months (mo.)
 24 hours (hrs.) = 1 day
 7 days = 1 week
 60 minutes (min.) = 1 hour

Find the missing numbers.

- | | | |
|---------------------------|----------------------|------------------------|
| 1. 24 mo. = _____ years | 5 weeks = _____ days | 9 years = _____ mo. |
| 2. 14 days = _____ weeks | 8 hours = _____ min. | 49 days = _____ weeks |
| 3. 120 min. = _____ hours | 60 mo. = _____ years | 9 weeks = _____ days |
| 4. 5 hours = _____ min. | 15 years = _____ mo. | 40 hours = _____ min. |
| 5. 7 years = _____ mo. | 6 weeks = _____ days | 240 min. = _____ hours |

Solve each problem.

- | | |
|--|--|
| <p>6. Gary spent 4 weeks biking for his vacation. How many days was he gone on vacation?</p> | <p>7. Angela went on vacation for 28 days. How many weeks was she gone on vacation?</p> |
| <p>8. Randy's flight was 480 minutes. How many hours did he spend flying?</p> | <p>9. James kept track of the time he spent exercising. He walked on his treadmill for 45 minutes each day. How many hours did he spend walking after 14 days?</p> |



Check What You Learned

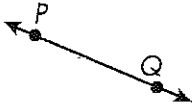
Geometry

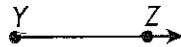
Label the following as line, line segment, or ray. Name each figure.

a

b

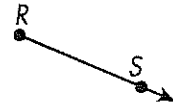
1.





2.

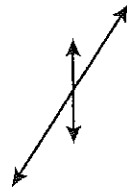




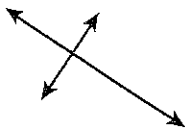
Identify each pair of lines as parallel, perpendicular, or intersecting.

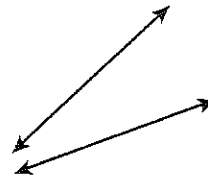
3.





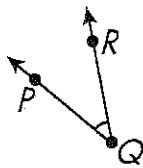
4.

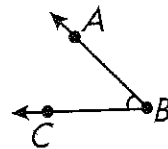




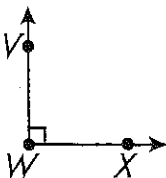
Name each angle. Label as acute, obtuse, or right.

5.

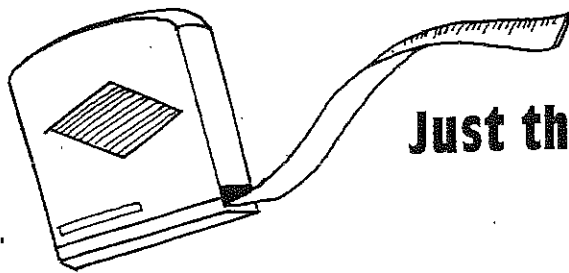




6.







Name _____

Just the Right Size

Solve.

- The length of the Brown family's game room is 15 feet. It is 13 feet wide.
What is the perimeter of the room? _____
What is the area of the room? _____
- The Thompson's trampoline is 14 feet long and 9 feet wide.
What is the perimeter of the trampoline? _____
What is the area of the trampoline? _____
- Kevin and Kristin have a square tree house. Each side is 8 feet long.
What is the perimeter of the tree house? _____
What is the area of the tree house? _____
- Roberto keeps his baseball card collection in a case that is 12 inches long and 9 inches wide.
What is the perimeter of the case? _____
What is the area of the case? _____
- Mandi bought a poster at the bookstore. It is 24 inches long and 18 inches wide.
What is the perimeter of the poster? _____
What is the area of the poster? _____
- Steve won a large candy bar in the book reading contest. It was 8 inches long and 5 inches wide.
What is the perimeter of the candy bar? _____
What is the area of the candy bar? _____
- Maggie's desk is 2 feet wide and 3 feet long.
What is the perimeter of the desk? _____
What is the area of the desk? _____

Name _____

Money Notation

11

★ To write money, use decimals for amounts less than 1. dollar.



\$1.93
dollar cents

How much money is shown?

1 _____

2 _____

3 _____

4 _____

Using the least number of bills and coins, write the number of each kind of bill and coin needed to make the amount.



\$4.36						
\$3.14						
\$8.07						
\$2.60						
\$5.57						
\$9.32						

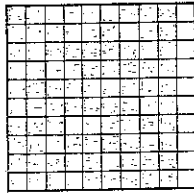
Explore Fractions and Decimals

Write a fraction and a decimal for each shaded part. Then write the fraction in simplest form.

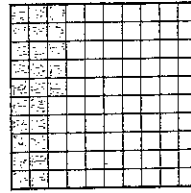
1.



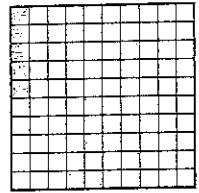
2.



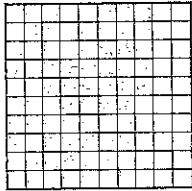
3.



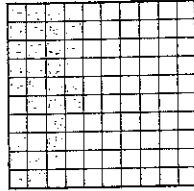
4.



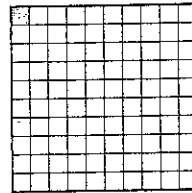
5.



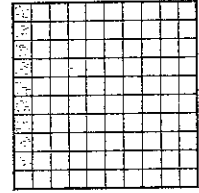
6.



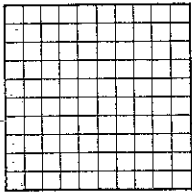
7.



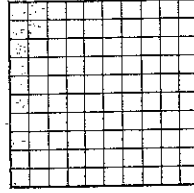
8.



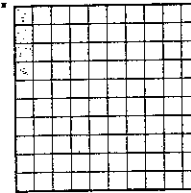
9.



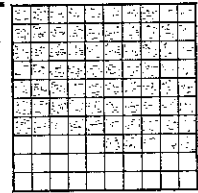
10.



11.



12.



Write each fraction as a decimal.

13. $\frac{70}{100}$ _____

14. $\frac{78}{100}$ _____

15. $\frac{13}{100}$ _____

16. $\frac{27}{100}$ _____

17. $\frac{8}{10}$ _____

18. $\frac{5}{10}$ _____

19. $\frac{1}{100}$ _____

20. $\frac{4}{100}$ _____

21. $\frac{3}{10}$ _____

22. $\frac{66}{100}$ _____

23. $\frac{7}{10}$ _____

24. $\frac{90}{100}$ _____

25. $\frac{4}{10}$ _____

26. $\frac{1}{2}$ _____

27. $\frac{10}{25}$ _____

28. $\frac{5}{20}$ _____

29. $\frac{4}{5}$ _____

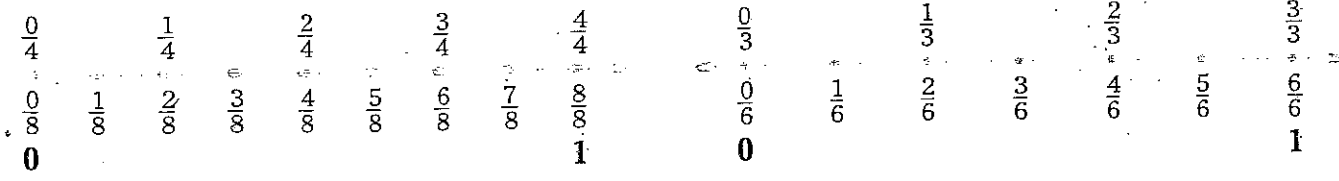
30. $\frac{10}{50}$ _____

31. $\frac{3}{4}$ _____

32. $\frac{2}{5}$ _____

Compare and Order Fractions

Number lines can be used to compare and order fractions. On a number line, the fractions become greater as you move from the left to the right.



Compare $\frac{1}{8}$ and $\frac{3}{8}$.

Find $\frac{1}{8}$ and $\frac{3}{8}$ on the number line. Since $\frac{1}{8}$ is farther to the left, it is less than $\frac{3}{8}$.

$$\frac{1}{8} < \frac{3}{8}$$

Compare $\frac{4}{4}$ and $\frac{8}{8}$.

Find $\frac{4}{4}$ and $\frac{8}{8}$ on the number line. They name the same mark on the line.

$$\frac{4}{4} = \frac{8}{8} = 1$$

Compare $\frac{2}{3}$ and $\frac{2}{6}$.

Find $\frac{2}{3}$ and $\frac{2}{6}$ on the number line. Since $\frac{2}{3}$ is farther to the right, it is greater than $\frac{2}{6}$.

$$\frac{2}{3} > \frac{2}{6}$$

Use the number lines above to compare these fractions. Write $<$, $>$, or $=$.

- | | | | |
|--------------------------------|-----------------------------|-----------------------------|-----------------------------|
| a | b | c | d |
| 1. $\frac{7}{8} > \frac{2}{8}$ | $\frac{3}{3} = \frac{6}{6}$ | $\frac{3}{6} = \frac{5}{6}$ | $\frac{1}{3} = \frac{2}{6}$ |
| 2. $\frac{1}{4} = \frac{2}{4}$ | $\frac{1}{4} = \frac{2}{8}$ | $\frac{5}{8} = \frac{7}{8}$ | $\frac{1}{6} = \frac{2}{3}$ |

Write the fractions in order from least to greatest.

- | | |
|--|---|
| a | b |
| 3. $\frac{7}{8}$ $\frac{3}{4}$ $\frac{3}{8}$ _____ $\frac{5}{8}$ $\frac{5}{4}$ $\frac{7}{8}$ | $\frac{1}{3}$ $\frac{3}{6}$ $\frac{1}{6}$ _____ |
| 4. $\frac{3}{8}$ $\frac{1}{8}$ $\frac{3}{4}$ _____ | $\frac{2}{3}$ $\frac{1}{3}$ $\frac{3}{6}$ _____ |
| 5. $\frac{2}{6}$ $\frac{2}{3}$ $\frac{1}{6}$ _____ | $\frac{7}{8}$ $\frac{1}{4}$ $\frac{4}{8}$ _____ |

Equivalent Fractions in Simplest Terms

Sometimes you might need to change a fraction to an equivalent fraction in **simplest terms**. To change a fraction to an equivalent fraction in simplest terms, divide the numerator and denominator by the same greatest number possible.

Rewrite $\frac{6}{8}$ in simplest terms.

Consider the numerator and denominator.

$\frac{6}{8} =$ Think: 8 can be divided evenly by 4, but 6 cannot.

6 can be divided evenly by 3, but 8 cannot.

Both 8 and 6 can be divided evenly by 2.

A fraction is in simplest terms when 1 is the only number that divides both the numerator and the denominator evenly.

The fraction $\frac{3}{4}$ is in simplest terms.

Divide the numerator and the denominator by 2.

$$\frac{6}{8} = \frac{6 \div 2}{8 \div 2} = \frac{3}{4}$$

Divide to write each fraction as an equivalent fraction in simplest terms.

a

$$1. \frac{5}{15} = \frac{5 \div 5}{15 \div 5} = \frac{1}{3}$$

b

$$\frac{8}{10} = \frac{8 \div \quad}{10 \div \quad} =$$

c

$$\frac{9}{12} = \frac{9 \div \quad}{12 \div \quad} =$$

$$2. \frac{4}{6} = \frac{4 \div \quad}{6 \div \quad} =$$

$$\frac{14}{16} = \frac{14 \div \quad}{16 \div \quad} =$$

$$\frac{10}{25} = \frac{10 \div \quad}{25 \div \quad} =$$

$$3. \frac{8}{16} = \frac{8 \div \quad}{16 \div \quad} =$$

$$\frac{2}{16} = \frac{2 \div \quad}{16 \div \quad} =$$

$$\frac{2}{4} = \frac{2 \div \quad}{4 \div \quad} =$$

Write each fraction as an equivalent fraction in simplest terms.

a

$$4. \frac{12}{16} = \frac{\frac{3}{4}}{\quad}$$

b

$$\frac{2}{6} = \frac{\quad}{\quad}$$

c

$$\frac{4}{12} = \frac{\quad}{\quad}$$

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

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

$$\frac{6}{9} = \frac{\quad}{\quad}$$

$$6. \frac{8}{14} = \frac{\quad}{\quad}$$

$$\frac{5}{25} = \frac{\quad}{\quad}$$

$$\frac{10}{18} = \frac{\quad}{\quad}$$

$$7. \frac{15}{18} = \frac{\quad}{\quad}$$

$$\frac{3}{12} = \frac{\quad}{\quad}$$

$$\frac{4}{14} = \frac{\quad}{\quad}$$

$$8. \frac{5}{10} = \frac{\quad}{\quad}$$

$$\frac{8}{18} = \frac{\quad}{\quad}$$

$$\frac{4}{10} = \frac{\quad}{\quad}$$

Extend the pattern. Write the rule for each pattern.

1

Input	Output
2	12
5	15
7	17
13	23

rule: _____

2

Input	Output
3	12
6	24
9	36
12	48

rule: _____

3

Input	Output
4	12
6	18
8	24
10	

rule: _____

4

Input	Output
1	12
3	14
5	16
7	18

rule: _____

5

Input	Output
45	37
40	32
35	27

rule: _____

6

Input	Output
48	4
36	3
24	2

rule: _____

7

Input	Output
37	74
40	80
43	86
	92

rule: _____

8

Input	Output
68	34
58	29
48	24
	19

rule: _____

9

Input	Output
90	30
81	27
72	24
	21

rule: _____

10

Input	Output
13	31
14	33
15	35
16	

rule: _____



Create your own pattern and define the rule.



me _____

Compare. Use $>$, $<$, or $=$.

1 0.35 0.4

2 0.06 0.60

3 0.3 0.03

4 0.42 0.24

5 0.69 0.6

6 0.50 0.38

7 0.8 0.80

8 0.25 0.35

9 0.1 0.10

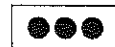
10 0.50 0.38

11 0.67 0.65

12 0.25 0.2



Tell how you know when decimals are equal.



Add Fractions with Like Denominators

Add. Write each sum in simplest form.

$$\begin{array}{r} 1. \quad \frac{1}{3} \\ + \frac{1}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad \frac{1}{6} \\ + \frac{2}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad \frac{2}{7} \\ + \frac{2}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad \frac{2}{12} \\ + \frac{4}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad \frac{3}{15} \\ + \frac{3}{15} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \frac{6}{10} \\ + \frac{8}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad \frac{3}{9} \\ + \frac{2}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad \frac{2}{4} \\ + \frac{2}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad \frac{2}{8} \\ + \frac{4}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad \frac{3}{5} \\ + \frac{3}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad \frac{7}{9} \\ + \frac{6}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad \frac{3}{12} \\ + \frac{5}{12} \\ \hline \end{array}$$

$$13. \quad \frac{2}{16} + \frac{2}{16} = \underline{\quad}$$

$$14. \quad \frac{3}{10} + \frac{2}{10} = \underline{\quad}$$

$$15. \quad \frac{3}{18} + \frac{3}{18} = \underline{\quad}$$

$$16. \quad \frac{1}{8} + \frac{7}{8} = \underline{\quad}$$

$$17. \quad \frac{3}{9} + \frac{3}{9} = \underline{\quad}$$

$$18. \quad \frac{5}{8} + \frac{4}{8} = \underline{\quad}$$

$$19. \quad \frac{3}{4} + \frac{3}{4} = \underline{\quad}$$

$$20. \quad \frac{5}{8} + \frac{5}{8} = \underline{\quad}$$

$$21. \quad \frac{13}{16} + \frac{12}{16} = \underline{\quad}$$

$$22. \quad \frac{7}{12} + \frac{8}{12} = \underline{\quad}$$

$$23. \quad \frac{5}{11} + \frac{7}{11} = \underline{\quad}$$

$$24. \quad \frac{9}{15} + \frac{3}{15} = \underline{\quad}$$

Algebra Compare. Write $>$, $<$, or $=$.

$$25. \quad \frac{1}{4} + \frac{3}{4} \bigcirc 1$$

$$26. \quad \frac{6}{7} + \frac{2}{7} \bigcirc 1$$

$$27. \quad \frac{1}{6} + \frac{3}{6} \bigcirc 1$$

$$28. \quad \frac{2}{9} + \frac{6}{9} \bigcirc 1$$

$$29. \quad \frac{2}{10} + \frac{7}{10} \bigcirc 1$$

$$30. \quad \frac{8}{12} + \frac{5}{12} \bigcirc 1$$

Problem Solving

Solve.

31. You need at least $1\frac{1}{4}$ yards of paper for a mural. You tape together 2 pieces of paper that are $\frac{3}{4}$ yard each. Do you have enough paper now? How long is your piece of paper?
-

32. You want to make some salt ceramic dough. The recipe calls for $\frac{2}{3}$ cup of salt. If you want to double the recipe, how much salt will you need?
-

Subtract Fractions with Like Denominators

Subtract. Write each difference in simplest form.

$$\begin{array}{r} 1. \quad \frac{4}{5} \\ - \frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 2. \quad \frac{5}{7} \\ - \frac{3}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 3. \quad \frac{5}{8} \\ - \frac{1}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 4. \quad \frac{8}{9} \\ - \frac{2}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 5. \quad \frac{5}{6} \\ - \frac{1}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 6. \quad \frac{4}{9} \\ - \frac{1}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 7. \quad \frac{7}{10} \\ - \frac{2}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 8. \quad \frac{6}{10} \\ - \frac{4}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 9. \quad \frac{7}{12} \\ - \frac{1}{12} \\ \hline \end{array}$$

$$\begin{array}{r} 10. \quad \frac{4}{15} \\ - \frac{1}{15} \\ \hline \end{array}$$

$$\begin{array}{r} 11. \quad \frac{8}{11} \\ - \frac{4}{11} \\ \hline \end{array}$$

$$\begin{array}{r} 12. \quad \frac{11}{12} \\ - \frac{8}{12} \\ \hline \end{array}$$

$$13. \quad \frac{7}{9} - \frac{2}{9} = \underline{\quad}$$

$$14. \quad \frac{5}{16} - \frac{1}{16} = \underline{\quad}$$

$$15. \quad \frac{7}{8} - \frac{3}{8} = \underline{\quad}$$

$$16. \quad \frac{5}{7} - \frac{4}{7} = \underline{\quad}$$

$$17. \quad \frac{8}{9} - \frac{1}{9} = \underline{\quad}$$

$$18. \quad \frac{4}{5} - \frac{3}{5} = \underline{\quad}$$

$$19. \quad \frac{7}{12} - \frac{5}{12} = \underline{\quad}$$

$$20. \quad \frac{7}{12} - \frac{4}{12} = \underline{\quad}$$

$$21. \quad \frac{10}{11} - \frac{5}{11} = \underline{\quad}$$

$$22. \quad \frac{11}{12} - \frac{8}{12} = \underline{\quad}$$

$$23. \quad \frac{9}{10} - \frac{5}{10} = \underline{\quad}$$

$$24. \quad \frac{7}{8} - \frac{3}{8} = \underline{\quad}$$

$$25. \quad \frac{2}{3} - \frac{2}{3} = \underline{\quad}$$

$$26. \quad \frac{8}{9} - \frac{2}{9} = \underline{\quad}$$

$$27. \quad \frac{9}{11} - \frac{8}{11} = \underline{\quad}$$

Algebra Compare. Write $>$, $<$, or $=$.

$$28. \quad \frac{5}{9} - \frac{2}{9} \bigcirc \frac{6}{9} - \frac{3}{9}$$

$$29. \quad \frac{7}{10} - \frac{3}{10} \bigcirc \frac{8}{10} - \frac{2}{10}$$

$$30. \quad \frac{5}{12} - \frac{1}{12} \bigcirc \frac{7}{12} - \frac{5}{12}$$

$$31. \quad \frac{11}{15} - \frac{10}{15} \bigcirc \frac{14}{15} - \frac{13}{15}$$

$$32. \quad \frac{7}{11} - \frac{6}{11} \bigcirc \frac{7}{11} - \frac{5}{11}$$

$$33. \quad \frac{12}{13} - \frac{5}{13} \bigcirc \frac{9}{13} - \frac{2}{13}$$

Problem Solving

Solve.

34. At lunch you cut a sandwich into 4 parts and eat 3 of the parts. What fraction of the sandwich is left?

35. For breakfast and lunch you drink $\frac{2}{3}$ of a quart of milk. How much of the quart is left?