

Multiplication Fact Challenge

How fast can you say all 72 products?

	A	B	C	D	E	F	G	H	I
1.	$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$
2.	$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 1 \\ \hline \end{array}$
3.	$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$
4.	$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 1 \\ \hline \end{array}$
5.	$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 0 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$
6.	$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 1 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$
7.	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$
8.	$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 1 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 0 \\ \times 7 \\ \hline \end{array}$

Multiplication with Carrying

1. $\begin{array}{r} 58 \\ \times 3 \\ \hline \end{array}$

2. $\begin{array}{r} 75 \\ \times 9 \\ \hline \end{array}$

3. $\begin{array}{r} 16 \\ \times 4 \\ \hline \end{array}$

4. $\begin{array}{r} 37 \\ \times 8 \\ \hline \end{array}$

5. $\begin{array}{r} 84 \\ \times 6 \\ \hline \end{array}$

6. $\begin{array}{r} 53 \\ \times 9 \\ \hline \end{array}$

7. $\begin{array}{r} 64 \\ \times 7 \\ \hline \end{array}$

8. $\begin{array}{r} 437 \\ \times 8 \\ \hline \end{array}$

9. $\begin{array}{r} 209 \\ \times 7 \\ \hline \end{array}$

10. $\begin{array}{r} 358 \\ \times 9 \\ \hline \end{array}$

11. $\begin{array}{r} 592 \\ \times 5 \\ \hline \end{array}$

12. $\begin{array}{r} 746 \\ \times 8 \\ \hline \end{array}$

13. $\begin{array}{r} 928 \\ \times 4 \\ \hline \end{array}$

14. $\begin{array}{r} \$16.87 \\ \times 9 \\ \hline \end{array}$

15. $\begin{array}{r} 3,294 \\ \times 8 \\ \hline \end{array}$

16. $\begin{array}{r} \$78.92 \\ \times 4 \\ \hline \end{array}$

17. $\begin{array}{r} 3,997 \\ \times 7 \\ \hline \end{array}$

18. $\begin{array}{r} 5,295 \\ \times 8 \\ \hline \end{array}$

19. $\begin{array}{r} 32 \\ \times 59 \\ \hline \end{array}$

20. $\begin{array}{r} 83 \\ \times 76 \\ \hline \end{array}$

21. $\begin{array}{r} 48 \\ \times 95 \\ \hline \end{array}$

22. $\begin{array}{r} 77 \\ \times 48 \\ \hline \end{array}$

23. $\begin{array}{r} 98 \\ \times 57 \\ \hline \end{array}$

24. $\begin{array}{r} 582 \\ \times 97 \\ \hline \end{array}$

25. $\begin{array}{r} 859 \\ \times 64 \\ \hline \end{array}$

26. $\begin{array}{r} 790 \\ \times 68 \\ \hline \end{array}$

27. $\begin{array}{r} 509 \\ \times 37 \\ \hline \end{array}$

28. $\begin{array}{r} \$9.98 \\ \times 49 \\ \hline \end{array}$

29. $\begin{array}{r} \$5.28 \\ \times 776 \\ \hline \end{array}$

30. $\begin{array}{r} 974 \\ \times 632 \\ \hline \end{array}$

31. $\begin{array}{r} 499 \\ \times 305 \\ \hline \end{array}$

32. $\begin{array}{r} 946 \\ \times 259 \\ \hline \end{array}$

33. $\begin{array}{r} 785 \\ \times 628 \\ \hline \end{array}$

34. $93 \times 6 = \underline{\hspace{2cm}}$

35. $127 \times 9 = \underline{\hspace{2cm}}$

36. $\$2.53 \times 5 = \underline{\hspace{2cm}}$

37. $57 \times 3 = \underline{\hspace{2cm}}$

38. $572 \times 8 = \underline{\hspace{2cm}}$

39. $639 \times 4 = \underline{\hspace{2cm}}$

Division Tables (No two-digit facts or divisors or quotients of 1 are included.)

Table 2

$$2 \overline{)8} \quad 2 \overline{)4} \quad 2 \overline{)6} \quad 2 \overline{)12} \quad 2 \overline{)10} \quad 2 \overline{)18} \quad 2 \overline{)14} \quad 2 \overline{)16}$$

Table 3

$$3 \overline{)6} \quad 3 \overline{)12} \quad 3 \overline{)21} \quad 3 \overline{)15} \quad 3 \overline{)9} \quad 3 \overline{)18} \quad 3 \overline{)27} \quad 3 \overline{)24}$$

Table 4

$$4 \overline{)20} \quad 4 \overline{)8} \quad 4 \overline{)16} \quad 4 \overline{)12} \quad 4 \overline{)24} \quad 4 \overline{)32} \quad 4 \overline{)28} \quad 4 \overline{)36}$$

Table 5

$$5 \overline{)10} \quad 5 \overline{)25} \quad 5 \overline{)15} \quad 5 \overline{)20} \quad 5 \overline{)35} \quad 5 \overline{)30} \quad 5 \overline{)45} \quad 5 \overline{)40}$$

Table 6

$$6 \overline{)12} \quad 6 \overline{)24} \quad 6 \overline{)18} \quad 6 \overline{)30} \quad 6 \overline{)54} \quad 6 \overline{)36} \quad 6 \overline{)48} \quad 6 \overline{)42}$$

Table 7

$$7 \overline{)28} \quad 7 \overline{)14} \quad 7 \overline{)21} \quad 7 \overline{)42} \quad 7 \overline{)35} \quad 7 \overline{)49} \quad 7 \overline{)63} \quad 7 \overline{)56}$$

Table 8

$$8 \overline{)16} \quad 8 \overline{)40} \quad 8 \overline{)24} \quad 8 \overline{)32} \quad 8 \overline{)48} \quad 8 \overline{)64} \quad 8 \overline{)56} \quad 8 \overline{)72}$$

Table 9

$$9 \overline{)27} \quad 9 \overline{)18} \quad 9 \overline{)36} \quad 9 \overline{)54} \quad 9 \overline{)45} \quad 9 \overline{)81} \quad 9 \overline{)63} \quad 9 \overline{)72}$$

Division Fact Challenge

How fast can you say all 56 quotients?

A

B

C

D

E

F

G

1. $8 \overline{)64}$ $4 \overline{)28}$ $5 \overline{)15}$ $9 \overline{)18}$ $5 \overline{)45}$ $2 \overline{)18}$ $5 \overline{)20}$

2. $7 \overline{)63}$ $8 \overline{)32}$ $2 \overline{)14}$ $6 \overline{)24}$ $7 \overline{)42}$ $9 \overline{)27}$ $8 \overline{)40}$

3. $6 \overline{)48}$ $3 \overline{)21}$ $4 \overline{)16}$ $6 \overline{)18}$ $8 \overline{)56}$ $7 \overline{)28}$ $2 \overline{)6}$

4. $3 \overline{)18}$ $9 \overline{)81}$ $9 \overline{)45}$ $8 \overline{)24}$ $5 \overline{)25}$ $5 \overline{)35}$ $3 \overline{)24}$

5. $7 \overline{)14}$ $2 \overline{)16}$ $6 \overline{)30}$ $4 \overline{)8}$ $7 \overline{)49}$ $5 \overline{)30}$ $7 \overline{)35}$

6. $2 \overline{)8}$ $8 \overline{)48}$ $7 \overline{)21}$ $5 \overline{)10}$ $6 \overline{)42}$ $6 \overline{)12}$ $8 \overline{)72}$

7. $4 \overline{)12}$ $6 \overline{)36}$ $7 \overline{)56}$ $8 \overline{)16}$ $9 \overline{)36}$ $3 \overline{)12}$ $4 \overline{)32}$

8. $9 \overline{)63}$ $6 \overline{)54}$ $4 \overline{)20}$ $3 \overline{)6}$ $9 \overline{)72}$ $5 \overline{)40}$ $9 \overline{)54}$

Division with a One-digit Divisor

1. $3 \overline{)75}$

2. $8 \overline{)96}$

3. $4 \overline{)76}$

4. $9 \overline{)99}$

5. $5 \overline{)95}$

6. $8 \overline{)2,592}$

7. $9 \overline{)504}$

8. $7 \overline{)4,368}$

9. $4 \overline{)3,316}$

Watch for remainders.

10. $6 \overline{)5,564}$

11. $9 \overline{)4,537}$

12. $8 \overline{)2,123}$

13. $5 \overline{)7,814}$

Write the remainders as fractions.

14. $7 \overline{)4,147}$

15. $8 \overline{)4,335}$

16. $4 \overline{)3,999}$

17. $6 \overline{)3,127}$

Write the remainders as fractions in lowest terms.

18. $9 \overline{)5,709}$

19. $6 \overline{)5,241}$

20. $8 \overline{)7,550}$

21. $4 \overline{)3,834}$

Division with a Two-digit Divisor

1. $20 \overline{)180}$

2. $50 \overline{)400}$

3. $90 \overline{)360}$

4. $60 \overline{)240}$

5. $41 \overline{)287}$

6. $72 \overline{)432}$

7. $13 \overline{)91}$

8. $62 \overline{)558}$

9. $59 \overline{)472}$

10. $78 \overline{)312}$

11. $37 \overline{)296}$

12. $26 \overline{)182}$

13. $32 \overline{)1,792}$

14. $49 \overline{)\$25.97}$

15. $75 \overline{)6,600}$

16. $87 \overline{)4,524}$

Watch for remainders. Check each quotient.

17. $39 \overline{)6,224}$

18. $83 \overline{)9,642}$

19. $57 \overline{)8,432}$

Write the remainders as fractions in lowest terms. Check each quotient.

20. $12 \overline{)6,834}$

21. $36 \overline{)8,685}$

22. $18 \overline{)12,321}$

Writing Large Numbers

Write these numbers.

1. 23 million, 7 thousand, 26 _____
2. 5 million, 231 thousand, 8 _____
3. 216 million, 87 thousand _____
4. 3 million, 4 thousand, 2 _____
5. 6 billion, 3 million, 8 _____
6. 21 billion, 18 million, 25 _____
7. 87 billion, 932 _____

Write the value of the circled digit.

- | | | | |
|------------------------------|--------------------------------|----------------------------------|----------------------------------|
| 8. 2, <u>4</u> 0 6
_____ | 9. <u>7</u> 3, 6 2 9
_____ | 10. <u>4</u> 5 6, 8 2 5
_____ | 11. 7 9, 5 0 <u>6</u>
_____ |
| 12. 7, <u>8</u> 9 2
_____ | 13. 9 8, 4 <u>5</u> 1
_____ | 14. 5 <u>6</u> 0, 0 2 1
_____ | 15. <u>2</u> 4 6, 3 2 1
_____ |

Write in order from least to greatest.

- | | | | | |
|----------------------|------------------|------------------|------------------|------------------|
| 16. 100,201
_____ | 100,021
_____ | 100,102
_____ | 101,002
_____ | 100,210
_____ |
| least | between | between | between | greatest |

Circle the numbers whose commas are in the wrong places.

- | | | | |
|-------------|----------------|-----------------|------------|
| 17. 329,541 | 18. 1,6295,408 | 19. 32,64,87,41 | 20. 627,24 |
|-------------|----------------|-----------------|------------|

Circle the digit in the ten millions' place.

- | | | |
|-------------------------|----------------------------|-------------------------|
| 21. 4 7 2, 6 2 5, 4 0 7 | 22. 3 7, 5 7 6, 2 8 1. 0 3 | 23. 1 0 7, 5 1 8, 2 9 9 |
|-------------------------|----------------------------|-------------------------|

Write one thousand more than the number.

- | | | | |
|--------------------|---------------------|----------------------|------------------|
| 24. 7,842
_____ | 25. 29,387
_____ | 26. 516,239
_____ | 27. 781
_____ |
|--------------------|---------------------|----------------------|------------------|

Write ten thousand less than the number.

- | | | | |
|---------------------|----------------------|----------------------|----------------------|
| 28. 36,429
_____ | 29. 100,000
_____ | 30. 207,431
_____ | 31. 103,251
_____ |
|---------------------|----------------------|----------------------|----------------------|

Converting Measures

1. 5 feet
_____ inches

2. 2 yards
_____ inches

3. 16 cups
_____ pints

4. 23 gallons
_____ quarts

5. 5 pounds
_____ ounces

6. 56 days
_____ weeks

7. 3 meters
_____ centimeters

8. 32 quarts
_____ pecks

9. 21 ft. = _____ yd.

10. 12 yd. = _____ ft.

11. 80 oz. = _____ lb.

12. 27 ft. + 6 yd. = _____ yd.

13. 3 lb. - 7 oz. = _____ oz.

14. 230 decimeters = _____ meters

15. 24 months + 3 years = _____ years

Averaging

1. Grades

93
82
77
85
90
89

2. Lengths

13 in.
15 in.
7 in.
10 in.
8 in.
11 in.
13 in.

3. Temperatures

55°
47°
53°
59°
46°

4. Prices

\$8.50
9.75
6.36
8.55

5. Miles

4,726
9,052
6,780
9,132
7,855

6. Weights

103 lb.
172 lb.
98 lb.
124 lb.
157 lb.
161 lb.
112 lb.
129 lb.

7. Ages

10
9
8
9
10
9
7
10
9

8. Books

73,206
58,729
46,832
75,900
69,457
38,924

9. Gallons

953
706
839
654
783

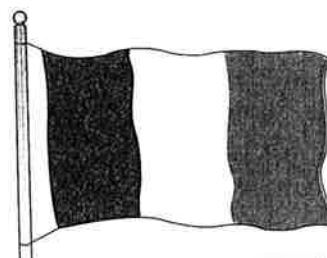
Fraction Fun

Mark under the fractions. Circle each denominator.

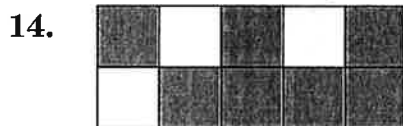
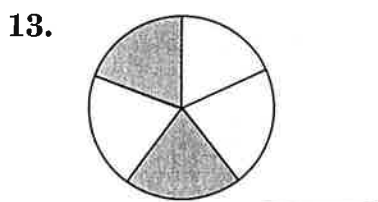
1. $\frac{5}{7}$ 2. 12 3. $\frac{2}{9}$ 4. $\frac{1}{5}$ 5. 231 6. 17 7. $\frac{3}{8}$ 8. $\frac{5}{11}$
- ○ ○ ○ ○ ○ ○ ○

Answer the questions about France's flag.

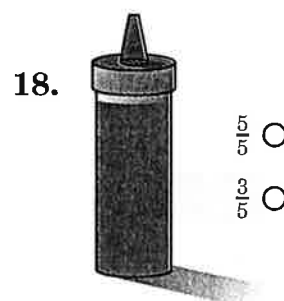
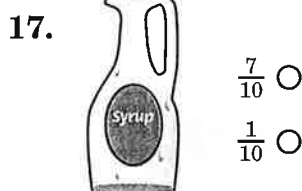
9. How many parts? _____
 10. Are all the parts equal? _____
 11. How many parts are red? _____
 12. What fraction of the flag is red? _____



What fractional part is colored?



Estimate how full each container is.



Read and write each fraction.

19. three fourths 20. nine tenths 21. four sevenths 22. one fifth
- _____

Find the fractional part of each whole number by dividing the whole number by the denominator of the unit fraction.

23. $\frac{1}{5}$ of 35 = _____ 24. $\frac{1}{9}$ of 81 = _____ 25. $\frac{1}{2}$ of 16 = _____ 26. $\frac{1}{7}$ of 14 = _____
 27. $\frac{1}{8}$ of 56 = _____ 28. $\frac{1}{5}$ of 15 = _____ 29. $\frac{1}{7}$ of 63 = _____ 30. $\frac{1}{9}$ of 27 = _____

Reducing Fractions

Reduce by dividing the numerator and denominator by 2.

1. $\frac{2}{4} =$ 2. $\frac{4}{6} =$ 3. $\frac{6}{8} =$ 4. $\frac{2}{10} =$ 5. $\frac{12}{14} =$

Reduce by dividing the numerator and denominator by 3.

6. $\frac{21}{24} =$ 7. $\frac{15}{18} =$ 8. $\frac{51}{63} =$ 9. $\frac{3}{6} =$ 10. $\frac{9}{12} =$

Reduce by dividing the numerator and denominator by 4.

11. $\frac{36}{40} =$ 12. $\frac{4}{8} =$ 13. $\frac{20}{24} =$ 14. $\frac{12}{20} =$ 15. $\frac{84}{100} =$

Reduce by dividing the numerator and denominator by 5.

16. $\frac{5}{10} =$ 17. $\frac{45}{50} =$ 18. $\frac{30}{55} =$ 19. $\frac{10}{45} =$ 20. $\frac{75}{85} =$

Reduce by dividing the numerator and denominator by 6.

21. $\frac{42}{54} =$ 22. $\frac{6}{12} =$ 23. $\frac{18}{30} =$ 24. $\frac{24}{30} =$ 25. $\frac{120}{126} =$

Reduce these fractions to lowest terms after determining the greatest common factor.

26. $\frac{5}{15} =$ 27. $\frac{3}{9} =$ 28. $\frac{2}{18} =$ 29. $\frac{6}{24} =$ 30. $\frac{5}{100} =$

31. $\frac{3}{18} =$ 32. $\frac{6}{24} =$ 33. $\frac{2}{20} =$ 34. $\frac{10}{30} =$ 35. $\frac{45}{55} =$

36. $\frac{120}{138} =$ 37. $\frac{30}{50} =$ 38. $\frac{10}{15} =$ 39. $\frac{8}{12} =$ 40. $\frac{15}{20} =$

41. $\frac{18}{27} =$ 42. $\frac{117}{153} =$ 43. $\frac{9}{12} =$ 44. $\frac{15}{21} =$ 45. $\frac{12}{16} =$

Proper and Improper Fractions

Mark under the improper fractions. Circle the denominator of each fraction.

1. $\frac{3}{8}$ 2. $\frac{8}{3}$ 3. $\frac{9}{9}$ 4. $\frac{4}{3}$ 5. $\frac{6}{7}$ 6. $\frac{11}{15}$ 7. $\frac{10}{7}$ 8. $\frac{5}{5}$
- ○ ○ ○ ○ ○ ○ ○

Change the improper fractions to whole numbers.

9. $\frac{15}{5} =$ 10. $\frac{81}{9} =$ 11. $\frac{17}{17} =$ 12. $\frac{50}{2} =$ 13. $\frac{12}{4} =$ 14. $\frac{56}{7} =$

Change the improper fractions to mixed numbers.

15. $\frac{13}{4} =$ 16. $\frac{75}{8} =$ 17. $\frac{82}{9} =$ 18. $\frac{52}{7} =$ 19. $\frac{43}{6} =$ 20. $\frac{19}{4} =$

Change the improper fractions to mixed numbers.
Reduce the fractions to lowest terms.

21. $\frac{48}{9} =$ 22. $\frac{22}{4} =$ 23. $\frac{15}{10} =$ 24. $\frac{50}{8} =$ 25. $\frac{32}{6} =$

Equivalent Fractions

Make equivalent fractions by multiplying each term by 2.

1. $\frac{3}{4} =$ 2. $\frac{7}{8} =$ 3. $\frac{10}{11} =$ 4. $\frac{5}{7} =$ 5. $\frac{1}{3} =$ 6. $\frac{3}{11} =$

Make equivalent fractions by multiplying each term by 6.

7. $\frac{2}{3} =$ 8. $\frac{5}{6} =$ 9. $\frac{1}{8} =$ 10. $\frac{4}{5} =$ 11. $\frac{5}{7} =$ 12. $\frac{2}{9} =$

Write the missing terms to make equivalent fractions.

13. $\frac{1}{2} = \frac{\quad}{4}$ 14. $\frac{2}{5} = \frac{\quad}{15}$ 15. $\frac{2}{3} = \frac{\quad}{12}$ 16. $\frac{5}{6} = \frac{\quad}{24}$ 17. $\frac{2}{3} = \frac{\quad}{6}$ 18. $\frac{7}{9} = \frac{\quad}{63}$

19. $\frac{3}{5} = \frac{\quad}{35}$ 20. $\frac{2}{7} = \frac{\quad}{49}$ 21. $\frac{1}{8} = \frac{\quad}{48}$ 22. $\frac{7}{10} = \frac{\quad}{70}$ 23. $\frac{5}{11} = \frac{\quad}{121}$ 24. $\frac{3}{8} = \frac{\quad}{56}$

25. $\frac{4}{9} = \frac{\quad}{36}$ 26. $\frac{7}{8} = \frac{\quad}{24}$ 27. $\frac{3}{4} = \frac{\quad}{48}$ 28. $\frac{3}{10} = \frac{\quad}{50}$ 29. $\frac{5}{6} = \frac{\quad}{42}$ 30. $\frac{9}{13} = \frac{\quad}{26}$

Adding Fractions

1.
$$\begin{array}{r} 2 \text{ ninths} \\ 3 \text{ ninths} \\ + 3 \text{ ninths} \\ \hline \end{array}$$

2.
$$\begin{array}{r} 3 \text{ tenths} \\ 5 \text{ tenths} \\ + 1 \text{ tenth} \\ \hline \end{array}$$

3.
$$\begin{array}{r} 7 \text{ fifteenths} \\ 2 \text{ fifteenths} \\ + 2 \text{ fifteenths} \\ \hline \end{array}$$

4.
$$\begin{array}{r} 2 \text{ elevenths} \\ 3 \text{ elevenths} \\ + 4 \text{ elevenths} \\ \hline \end{array}$$

5. $\frac{5}{17} + \frac{7}{17} + \frac{3}{17} = \underline{\hspace{2cm}}$

6. $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{2}{8} = \underline{\hspace{2cm}}$

7. $\frac{9}{15} + \frac{2}{15} = \underline{\hspace{2cm}}$

8.
$$\begin{array}{r} \frac{5}{18} \\ \frac{1}{18} \\ + \frac{1}{18} \\ \hline \end{array}$$

9.
$$\begin{array}{r} \frac{7}{19} \\ \frac{3}{19} \\ + \frac{4}{19} \\ \hline \end{array}$$

10.
$$\begin{array}{r} 7\frac{2}{11} \\ 6\frac{3}{11} \\ + 12\frac{4}{11} \\ \hline \end{array}$$

11.
$$\begin{array}{r} 121\frac{1}{5} \\ 76\frac{2}{5} \\ + 251\frac{1}{5} \\ \hline \end{array}$$

12.
$$\begin{array}{r} 73\frac{7}{16} \\ 29\frac{3}{16} \\ + 6\frac{1}{16} \\ \hline \end{array}$$

Change the improper fractions and reduce if necessary.

13.
$$\begin{array}{r} \frac{3}{4} \\ \frac{1}{4} \\ + \frac{3}{4} \\ \hline \end{array}$$

14.
$$\begin{array}{r} \frac{1}{5} \\ \frac{3}{5} \\ + \frac{2}{5} \\ \hline \end{array}$$

15.
$$\begin{array}{r} 7\frac{3}{8} \\ 6\frac{3}{8} \\ + 3\frac{5}{8} \\ \hline \end{array}$$

16.
$$\begin{array}{r} 3\frac{2}{9} \\ 8\frac{2}{9} \\ + 4\frac{2}{9} \\ \hline \end{array}$$

17.
$$\begin{array}{r} 24\frac{5}{6} \\ 93\frac{5}{6} \\ + 72 \\ \hline \end{array}$$

Find common denominators before adding.

18.
$$\begin{array}{r} \frac{3}{4} \\ + \frac{1}{2} \\ \hline \end{array}$$

19.
$$\begin{array}{r} 4\frac{2}{5} \\ + 7\frac{1}{3} \\ \hline \end{array}$$

20.
$$\begin{array}{r} 16\frac{1}{6} \\ + 72\frac{1}{2} \\ \hline \end{array}$$

21.
$$\begin{array}{r} 42\frac{3}{4} \\ + 93\frac{2}{3} \\ \hline \end{array}$$

22.
$$\begin{array}{r} 7\frac{1}{4} \\ 11\frac{3}{8} \\ + 9\frac{1}{2} \\ \hline \end{array}$$

23.
$$\begin{array}{r} 23\frac{1}{4} \\ 9\frac{5}{6} \\ + 92\frac{2}{3} \\ \hline \end{array}$$

24.
$$\begin{array}{r} 5\frac{5}{6} \\ 9\frac{1}{2} \\ + 2\frac{4}{9} \\ \hline \end{array}$$

25.
$$\begin{array}{r} 34\frac{1}{5} \\ 17\frac{2}{3} \\ + 23\frac{3}{5} \\ \hline \end{array}$$

26. $3\frac{1}{2} + 7\frac{1}{5} = \underline{\hspace{2cm}}$

27. $12\frac{3}{8} + 6\frac{1}{4} = \underline{\hspace{2cm}}$

28. $8\frac{1}{3} + 6\frac{1}{2} = \underline{\hspace{2cm}}$

Subtracting Fractions

1. $\begin{array}{r} 7 \text{ ninths} \\ - 2 \text{ ninths} \\ \hline \end{array}$

2. $\begin{array}{r} 10 \text{ elevenths} \\ - 7 \text{ elevenths} \\ \hline \end{array}$

3. $\begin{array}{r} 4 \text{ fifths} \\ - 3 \text{ fifths} \\ \hline \end{array}$

4. $\begin{array}{r} 9 \text{ tenths} \\ - 2 \text{ tenths} \\ \hline \end{array}$

5. $\frac{13}{19} - \frac{7}{19} = \underline{\hspace{2cm}}$

6. $\frac{8}{11} - \frac{4}{11} = \underline{\hspace{2cm}}$

7. $\frac{13}{21} - \frac{5}{21} = \underline{\hspace{2cm}}$

8. $\frac{9}{13} - \frac{7}{13} = \underline{\hspace{2cm}}$

9. $\begin{array}{r} \frac{7}{9} \\ - \frac{5}{9} \\ \hline \end{array}$

10. $\begin{array}{r} \frac{24}{25} \\ - \frac{6}{25} \\ \hline \end{array}$

11. $\begin{array}{r} 13\frac{30}{37} \\ - 9\frac{16}{37} \\ \hline \end{array}$

12. $\begin{array}{r} 24\frac{9}{14} \\ - 17\frac{8}{14} \\ \hline \end{array}$

13. $\begin{array}{r} 100\frac{13}{17} \\ - 53\frac{5}{17} \\ \hline \end{array}$

Reduce if necessary.

14. $\begin{array}{r} \frac{9}{10} \\ - \frac{1}{10} \\ \hline \end{array}$

15. $\begin{array}{r} \frac{7}{12} \\ - \frac{5}{12} \\ \hline \end{array}$

16. $\begin{array}{r} 11\frac{14}{15} \\ - 9\frac{4}{15} \\ \hline \end{array}$

17. $\begin{array}{r} 201\frac{7}{8} \\ - 93\frac{3}{8} \\ \hline \end{array}$

18. $\begin{array}{r} 152\frac{5}{6} \\ - 68\frac{1}{6} \\ \hline \end{array}$

Find common denominators before subtracting.

19. $\begin{array}{r} 23\frac{4}{5} \\ - 16\frac{4}{15} \\ \hline \end{array}$

20. $\begin{array}{r} 83\frac{1}{4} \\ - 19\frac{1}{8} \\ \hline \end{array}$

21. $\begin{array}{r} 2\frac{4}{7} \\ - 1\frac{1}{14} \\ \hline \end{array}$

22. $\begin{array}{r} 21\frac{3}{10} \\ - 6\frac{1}{20} \\ \hline \end{array}$

23. $\begin{array}{r} 16\frac{7}{10} \\ - 9\frac{1}{5} \\ \hline \end{array}$

24. $\begin{array}{r} 51\frac{2}{3} \\ - 27\frac{1}{4} \\ \hline \end{array}$

25. $\begin{array}{r} 41\frac{5}{6} \\ - 32\frac{3}{4} \\ \hline \end{array}$

26. $\begin{array}{r} 63\frac{1}{2} \\ - 38\frac{2}{9} \\ \hline \end{array}$

27. $\begin{array}{r} 381\frac{2}{3} \\ - 264\frac{3}{5} \\ \hline \end{array}$

28. $\begin{array}{r} 400\frac{2}{3} \\ - 129\frac{1}{2} \\ \hline \end{array}$

29. $\begin{array}{r} 24\frac{7}{9} \\ - 7\frac{1}{4} \\ \hline \end{array}$

30. $\begin{array}{r} 12\frac{7}{10} \\ - 3\frac{3}{5} \\ \hline \end{array}$

31. $8\frac{3}{4} - 6\frac{1}{2} = \underline{\hspace{2cm}}$

32. $15\frac{1}{3} - 9\frac{1}{5} = \underline{\hspace{2cm}}$

33. $7\frac{4}{9} - 6\frac{1}{3} = \underline{\hspace{2cm}}$

Subtracting Fractions with Borrowing

$$\begin{array}{r} 1 \\ - \frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ - \frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ - \frac{7}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 1 \\ - \frac{1}{9} \\ \hline \end{array}$$

$$\begin{array}{r} 2 \\ - \frac{2}{3} \\ \hline \end{array}$$

$$\begin{array}{r} 5 \\ - \frac{5}{9} \\ \hline \end{array}$$

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

$$\begin{array}{r} 6 \\ - \frac{3}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 3 \\ - 1\frac{1}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 8 \\ - 3\frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 16 \\ - 6\frac{7}{8} \\ \hline \end{array}$$

$$\begin{array}{r} 9 \\ - 5\frac{3}{7} \\ \hline \end{array}$$

$$\begin{array}{r} 6\frac{1}{4} \\ - 2\frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 5\frac{3}{5} \\ - 2\frac{4}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 7\frac{1}{5} \\ - 6\frac{2}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 24\frac{3}{8} \\ - 9\frac{5}{8} \\ \hline \end{array}$$

Find common denominators before subtracting.

$$\begin{array}{r} 2\frac{1}{3} \\ - 1\frac{3}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 9\frac{1}{2} \\ - 6\frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 17\frac{4}{9} \\ - 13\frac{5}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 31\frac{2}{3} \\ - 17\frac{3}{4} \\ \hline \end{array}$$

$$\begin{array}{r} 100\frac{1}{4} \\ - 76\frac{1}{2} \\ \hline \end{array}$$

$$\begin{array}{r} 27\frac{3}{5} \\ - 9\frac{9}{10} \\ \hline \end{array}$$

$$\begin{array}{r} 213\frac{1}{3} \\ - 84\frac{3}{5} \\ \hline \end{array}$$

$$\begin{array}{r} 10\frac{3}{8} \\ - 3\frac{5}{6} \\ \hline \end{array}$$

$$\begin{array}{r} 15\frac{3}{7} \\ - 4\frac{11}{14} \\ \hline \end{array}$$

$$26. \quad 7\frac{4}{9} - 6\frac{2}{3} = \underline{\hspace{2cm}}$$

$$27. \quad 13\frac{3}{8} - 6\frac{3}{4} = \underline{\hspace{2cm}}$$

$$28. \quad 6\frac{1}{2} - 3\frac{3}{5} = \underline{\hspace{2cm}}$$

Multiplying Fractions

1. $\frac{1}{5} \times \frac{1}{4} =$ _____ 2. $\frac{2}{3} \times \frac{4}{5} =$ _____ 3. $\frac{3}{5} \times \frac{6}{7} =$ _____ 4. $\frac{1}{7} \times \frac{3}{4} =$ _____

Reduce products to lowest terms.

5. $\frac{2}{5} \times \frac{1}{4} =$ _____ 6. $\frac{3}{5} \times \frac{5}{6} =$ _____ 7. $\frac{1}{4} \times \frac{6}{7} =$ _____ 8. $\frac{3}{4} \times \frac{5}{6} =$ _____

Use cancellation if possible.

9. $\frac{3}{8} \times \frac{4}{5} =$ _____ 10. $\frac{3}{7} \times \frac{14}{15} =$ _____ 11. $\frac{2}{3} \times \frac{6}{7} =$ _____ 12. $\frac{5}{6} \times \frac{4}{5} =$ _____

13. $\frac{9}{10} \times \frac{5}{6} =$ _____ 14. $\frac{2}{5} \times \frac{6}{7} =$ _____ 15. $\frac{2}{7} \times \frac{7}{18} =$ _____ 16. $\frac{4}{9} \times \frac{3}{8} =$ _____

17. $9 \times \frac{3}{4} =$ _____ 18. $\frac{5}{8} \times 16 =$ _____ 19. $\frac{2}{3} \times 12 =$ _____ 20. $15 \times \frac{1}{5} =$ _____

21. $4\frac{7}{9} \times 54 =$ _____ 22. $18 \times \frac{5}{6} =$ _____ 23. $6\frac{1}{2} \times 10 =$ _____ 24. $9 \times 5\frac{3}{4} =$ _____

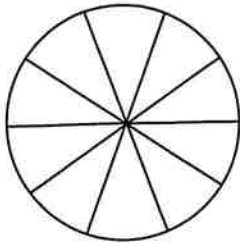
25. $2\frac{3}{4} \times 1\frac{1}{2} =$ _____ 26. $3\frac{2}{5} \times 10 =$ _____ 27. $1\frac{1}{4} \times 1\frac{1}{6} =$ _____ 28. $\frac{4}{9} \times 81 =$ _____

29. $\frac{2}{9} \times 3 =$ _____ 30. $6\frac{2}{3} \times 30 =$ _____ 31. $5\frac{2}{9} \times 3 =$ _____ 32. $1\frac{2}{3} \times 30 =$ _____

33. $\frac{9}{17} \times \frac{3}{4} =$ _____ 34. $\frac{6}{7} \times \frac{2}{5} =$ _____ 35. $\frac{8}{9} \times \frac{3}{4} =$ _____ 36. $\frac{1}{2} \times \frac{1}{4} =$ _____

Decimal Fun

1. Shade seven-tenths of the circle.



2. What fraction names the shaded part of the circle in exercise 1?

3. What decimal names the shaded part? _____

Write each as a fraction and a decimal.

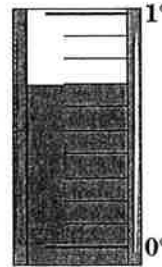
4. four tenths

fraction

decimal

5. nine tenths

6. six tenths



$\frac{7}{10}$ or .70°

Circle the digit in the tenths' place in these mixed decimals. Read each number.

7. 7. 3

8. 1 5. 9

9. 3. 1

10. 6. 2 3

11. 1 2. 5 1

Give the fraction of a dollar for each.

12. 5 dimes = _____

13. 3 dimes = _____

14. 7 dimes = _____

15. 1 dime = _____

Write each fraction in exercises 12-15 as decimals.

16. $\frac{5}{10}$ = _____

17. $\frac{3}{10}$ = _____

18. $\frac{7}{10}$ = _____

19. $\frac{1}{10}$ = _____

Read the mixed decimals and circle the digit in the hundredths' place.

20. 7. 3 1

21. 6. 0 3

22. 8. 4 4 5

23. 9. 6 2 4

24. .1 1 3

Make both decimals hundredths and write >, <, or =.

25. .2 _____ .17 26. .5 _____ .51 27. .4 _____ .39 28. .1 _____ .03

Write the equivalent decimal for each fraction.

29. $\frac{9}{10}$ = _____

30. $\frac{91}{100}$ = _____

31. $\frac{9}{100}$ = _____

32. $\frac{9}{1,000}$ = _____

33. $\frac{31}{1,000}$ = _____

34. $\frac{3}{1,000}$ = _____

35. $\frac{17}{100}$ = _____

36. $\frac{251}{1,000}$ = _____

Adding Decimals

1. $\begin{array}{r} 4.7 \\ 2.5 \\ + 6.3 \\ \hline \end{array}$	2. $\begin{array}{r} 9.38 \\ 14.06 \\ + 7.82 \\ \hline \end{array}$	3. $\begin{array}{r} 3.91 \\ 5.23 \\ + 8.56 \\ \hline \end{array}$	4. $\begin{array}{r} 23.16 \\ 78.32 \\ + 89.86 \\ \hline \end{array}$	5. $\begin{array}{r} 1.5 \\ 5.1 \\ + 7.0 \\ \hline \end{array}$
-----------------------------------------------------------------	---------------------------------------------------------------------	--------------------------------------------------------------------	-----------------------------------------------------------------------	-----------------------------------------------------------------

6. $4.2 + 6.5 =$ _____ 7. $42.63 + 87.29 =$ _____ 8. $13.5 + 6.9 =$ _____

9. $135.7 + 423.9 =$ _____ 10. $5.5 + 5.5 =$ _____ 11. $4.32 + 4.3 =$ _____

12. $\begin{array}{r} 53.26 \\ 78.39 \\ 54.06 \\ + 87.59 \\ \hline \end{array}$	13. $\begin{array}{r} 106.7 \\ 58.9 \\ 327.8 \\ + 406.8 \\ \hline \end{array}$	14. $\begin{array}{r} 237.51 \\ 56.8 \\ 942.53 \\ + 78.96 \\ \hline \end{array}$	15. $\begin{array}{r} 831.16 \\ 92.87 \\ 653.9 \\ + 81.73 \\ \hline \end{array}$	16. $\begin{array}{r} 1.327 \\ 4.618 \\ 7.304 \\ + 8.429 \\ \hline \end{array}$
---------------------------------------------------------------------------------	--------------------------------------------------------------------------------	----------------------------------------------------------------------------------	----------------------------------------------------------------------------------	---------------------------------------------------------------------------------

Subtracting Decimals

1. $\begin{array}{r} 5.2 \\ - 3.5 \\ \hline \end{array}$	2. $\begin{array}{r} 16.21 \\ - 8.32 \\ \hline \end{array}$	3. $\begin{array}{r} 4.83 \\ - 1.94 \\ \hline \end{array}$	4. $\begin{array}{r} 25.301 \\ - 7.832 \\ \hline \end{array}$	5. $\begin{array}{r} 73.16 \\ - 9.18 \\ \hline \end{array}$
----------------------------------------------------------	-------------------------------------------------------------	------------------------------------------------------------	---------------------------------------------------------------	-------------------------------------------------------------

6. $12.5 - 6.8 =$ _____ 7. $9.31 - 2.60 =$ _____ 8. $12.10 - 8.42 =$ _____

9. $5.6 - 4.2 =$ _____ 10. $13.3 - 7.9 =$ _____ 11. $4.321 - 1.488 =$ _____

12. $\begin{array}{r} 7.324 \\ - 1.806 \\ \hline \end{array}$	13. $\begin{array}{r} 573.1 \\ - 253.4 \\ \hline \end{array}$	14. $\begin{array}{r} 6.000 \\ - 1.593 \\ \hline \end{array}$	15. $\begin{array}{r} 23.16 \\ - 17.83 \\ \hline \end{array}$	16. $\begin{array}{r} 19.421 \\ - 7.863 \\ \hline \end{array}$
---------------------------------------------------------------	---------------------------------------------------------------	---------------------------------------------------------------	---------------------------------------------------------------	----------------------------------------------------------------

17. $\begin{array}{r} 135.2 \\ - 78.5 \\ \hline \end{array}$	18. $\begin{array}{r} 6.41 \\ - 2.89 \\ \hline \end{array}$	19. $\begin{array}{r} 43.129 \\ - 36.009 \\ \hline \end{array}$	20. $\begin{array}{r} 17.18 \\ - 6.23 \\ \hline \end{array}$	21. $\begin{array}{r} 5.007 \\ - 0.253 \\ \hline \end{array}$
--------------------------------------------------------------	-------------------------------------------------------------	-----------------------------------------------------------------	--------------------------------------------------------------	---------------------------------------------------------------

22. $\begin{array}{r} 7.621 \\ - 3.825 \\ \hline \end{array}$	23. $\begin{array}{r} 7.51 \\ - 6.237 \\ \hline \end{array}$	24. $\begin{array}{r} 5.2 \\ - 3.412 \\ \hline \end{array}$	25. $\begin{array}{r} 19.1 \\ - 12.72 \\ \hline \end{array}$	26. $\begin{array}{r} 3.12 \\ - 1.275 \\ \hline \end{array}$
---------------------------------------------------------------	--------------------------------------------------------------	-------------------------------------------------------------	--------------------------------------------------------------	--------------------------------------------------------------

Perimeter Fun

Measure to find the perimeters.

1.



_____ cm

2.



_____ cm

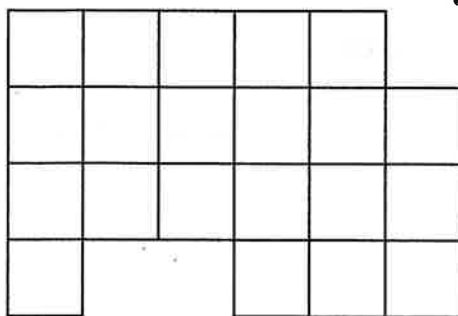
3.



_____ cm

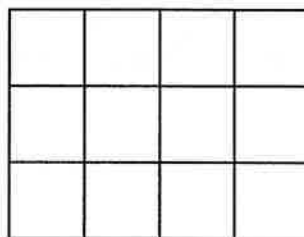
Count around the shapes to find the perimeters.

4.



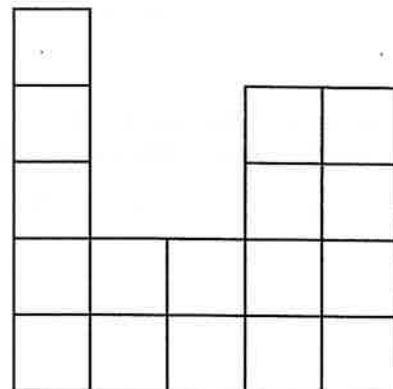
_____ cm

5.



_____ cm

6.



_____ cm

Use the formula $P = (2 \times l) + (2 \times w)$ to find the perimeters of rectangles with these dimensions.

7. $l = 4$ ft.; $w = 3$ ft.

8. $l = 18$ cm; $w = 15$ cm

9. $l = 4\frac{1}{2}$ ft.; $w = 3$ ft.

Use the formula $P = 4 \times s$ to find the perimeters of squares with these dimensions.

10. $s = 9$ ft.

11. $s = 21$ ft.

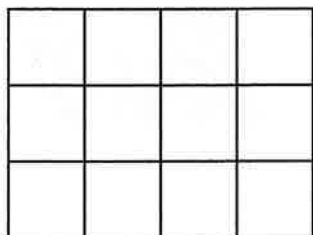
12. $s = 2\frac{1}{2}$ ft.

13. $s = 301$ cm

Area Fun

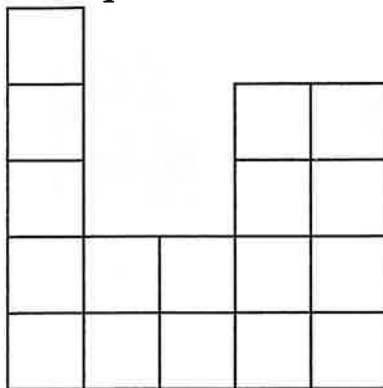
Find the areas. Each \square equals one square centimeter.

1.



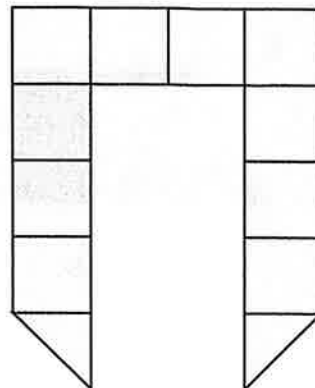
_____ sq. cm

2.



_____ sq. cm

3.



_____ sq. cm

Use the formula $A = l \times w$ to find the areas of rectangles with these dimensions.

4. $l = 9$ ft.; $w = 7$ ft.

5. $l = 24$ ft.; $w = 9$ ft.

6. $l = 52$ in.; $w = 48$ in.

7. $l = 17$ yd.; $w = 16$ yd.

8. $l = 104$ in.; $w = 57$ in.

9. $l = 6\frac{1}{2}$ ft.; $w = 4$ ft.

10. $l = \frac{3}{4}$ in.; $w = \frac{1}{2}$ in.

11. $l = 10$ ft.; $w = 7\frac{1}{2}$ ft.

12. $l = 4\frac{1}{2}$ ft.; $w = 1\frac{1}{2}$ ft.

Use the formula $A = s \times s$ to find the areas of squares with these dimensions.

13. $s = 5$ in.

14. $s = 29$ ft.

15. $s = 1\frac{1}{4}$ yd.

Story Problem Fun

1. Mark paid \$7.83 for a book entitled *John Cabot—The Discoverer of North America*. Was the cost of the book closer to \$7 or \$8?

3. Suppose twelve Pilgrim children gathered pumpkins one afternoon. Each child gathered thirty-five pumpkins. How many did they gather?
_____ pumpkins
5. The Harris family picked these bushels of apples from Monday through Thursday last week: 57 bu., 65 bu., 38 bu., and 52 bu. Find the average number of bushels picked each day.
_____ bu.
7. In 1451 Columbus was born in Genoa, Italy. In 1492 he discovered the New World. In 1500 he returned from his third voyage to the New World. How old was Columbus in 1500? _____
9. How many inches of snow would the South Pole get in a century?
_____ inches How many feet would it get? Write the remainder as a fraction. _____ feet
2. A beekeeper collected nine gallons of honey. How many quarts did he collect? _____ quarts
4. If a large pumpkin makes four pies, how many pumpkins are needed to make thirty-six pies?
_____ pumpkins
6. David Livingstone, a Scottish missionary and explorer, spent many years in the area that is now Zambia. Today the population of Zambia is about nine million, ninety-three thousand. Write that number, using digits. _____
8. The South Pole gets only about five inches of snow each year. How many years would it take the South Pole to get sixty inches of snow?
_____ years



10. Complete these calendar pages for the year 1492.

August

Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.
			1			

September

Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

October

Sun.	Mon.	Tues.	Wed.	Thurs.	Fri.	Sat.

11. Christopher Columbus and about ninety crew members set sail from Palos in Spain on August 3, 1492. On October 12, they landed on the island that Columbus named San Salvador. Mark under the number of weeks the voyage took. (Count every numbered Friday except the first one.)

8 wk. 10 wk. 12 wk.
☐ ☐ ☐

12. On September 6, the three ships of Columbus left the Canary Islands and sailed into the vast unknown waters. Columbus and his men saw no land until October 12. How many days were the *Niña*, *Pinta*, and *Santa Maria* on the open sea? _____ days

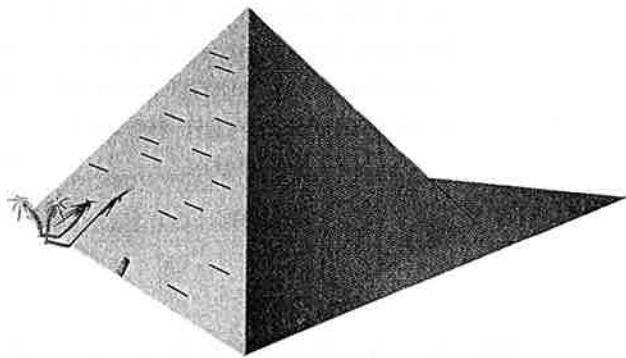
Story Problem Fun

13. The state flower of New York is the rose. How many roses are nine dozen roses? _____ roses
14. If a dozen roses cost \$27.86, how much do eight dozen cost?

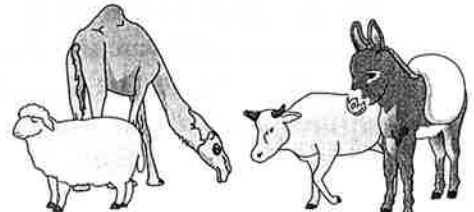
15. Tim gathered 42 roses. He gave an equal number of roses to his 7 sisters. How many roses did each sister get? _____ roses
16. Lloyd must pay \$2.16 to mail a card to Israel. He put three 55¢ stamps on the card. How much more postage does it need?

17. Dustin left for church at 9:37. He arrived 15 minutes later. What time did he arrive at church?

18. Joseph's brothers came to Egypt to buy corn during the seven years of famine. Suppose they purchased 58 bushels. How many pecks did they buy?
_____ pecks
19. Moses lived in Egypt when some of the pyramids were built. A pyramid has a square base and four triangular sides. Find the perimeter of the square base if one side was 288 feet.
 $P =$ _____ feet
20. Shetal is an Indian girl who sells fruit in New Delhi. One day she sold 132 apples and 152 oranges. The fraction $\frac{132}{152}$ compares the apples sold to the oranges sold. Should $\frac{132}{152}$ be divided by 3 or 4 to reduce? _____
 $\frac{132}{152} =$ _____
21. John baptized Jesus in the River Jordan. The Jordan empties into the Dead Sea, which is 1,310 feet below sea level. How many yards below sea level is the Dead Sea? Write the remainder as a fraction.
_____ yd.



Story Problem Fun

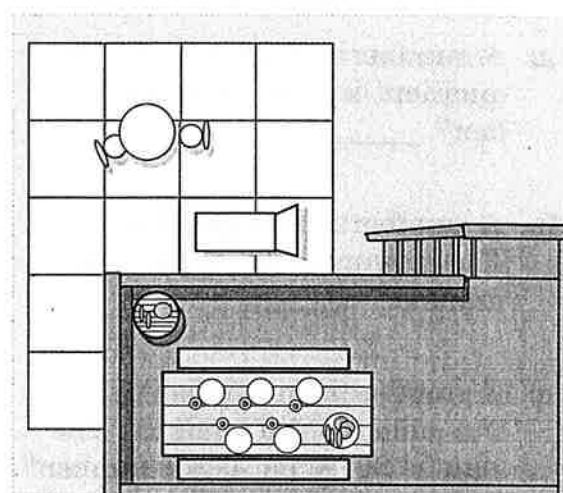
22. The smallest official park is located in Oregon. The park is 24 inches across. How many feet is 24 inches?
_____ feet
23. Agriculture makes up about $\frac{4}{100}$ of Oregon's gross product. Write $\frac{4}{100}$ as a decimal. _____
24. One section of the Big Wood River in Idaho is about 30.0 meters deep and only 1.2 meters wide. How much deeper than wide is that part of the river? _____ meters
25. The oldest city in the United States is St. Augustine, Florida. It was founded in 1565 by the Spanish explorer Pedro Menéndez. About how many centuries old is the city?
_____ centuries
26. South Dakota is home to the largest buffalo herd in the United States. Extremely large buffaloes may weigh $1\frac{1}{2}$ tons. How many pounds is $1\frac{1}{2}$ tons? _____ pounds
27. The Gideons first placed Bibles in motel rooms in Montana. If the Gideons had 1,000 Bibles to put in 20 motels, how many Bibles could they put in each motel? _____ Bibles
28. Before Satan troubled Job, Job had 7,000 sheep, 3,000 camels, 500 oxen, and 500 donkeys. God blessed Job for his faithfulness by giving him two times as many animals. How many animals did he have?
_____ sheep, _____ camels,
_____ oxen, _____ donkeys
29. Before Satan troubled Job, Job had seven sons and each son had three sisters. How many children did Job have? _____ children
- 
30. The apostle Paul was a tent maker. Suppose he had materials these lengths: $1\frac{3}{4}$ yd., $2\frac{1}{4}$ yd., $3\frac{3}{4}$ yd., and $2\frac{3}{4}$ yd. What was the total length?
_____ yd.
31. Suppose there were 43 lions in the den with Daniel. A male lion eats about 75 pounds of meat at one meal. How many pounds could 43 lions eat? _____
32. One lion can drag as much as 6 men. How many men would it take to drag as much as 12 lions?
_____ men
33. A decagon is a polygon with 10 sides. If the length of each side of a decagon is 21 cm, what is its perimeter? _____ cm

Brain Boosters

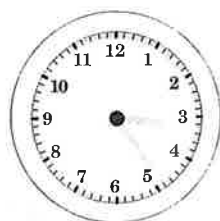
1. Prince Henry of Portugal used an astrolabe to guide his ship. The astrolabe was invented by the Greeks around 300 B.C. About how many years ago was the astrolabe invented? _____
(Add to find year lapse if one year is A.D. and the other is B.C.)

2. The "teddy bear" was named after President Theodore Roosevelt. Suppose a store sold 2,358 teddy bears each month for one fourth of a year. How many bears would they sell during that time?
_____ bears

3. The Sharpe family plans to add a rectangular patio to their house. The balcony of the house covers part of the planned patio. Each square represents one square yard. How many square yards is the patio? _____ sq. yd. How many square yards of the patio does the balcony cover? _____ sq. yd.



2:43 P.M.



3:24 P.M.

_____ min.
(time lapse)

4. At 2:43 P.M., John Glenn landed in the Atlantic Ocean. At 3:24 P.M., he crawled out of *Friendship 7*. Set the clocks at the left to the two times and find the time lapse.

5. Dr. Wilfred Grenfell, an English medical missionary, served the Eskimos living near the Arctic Circle. During his 40 years of service, he was a surgeon, scientist, sailor, and explorer. During one three-month period, he treated about 300 patients each month. How many patients did he treat during the three months? _____ patients



Brain Boosters

6. A package of fruit pops contains six pops. How many packages must be bought to give thirty-five children two pops each? (A fraction of a package cannot be bought.)

_____ packages

8. Answer the number riddles.

- a. A number is divided by 8. The quotient is 7. What is the number? _____
- b. A number is multiplied by 7. The product is 63. What is the number? _____
- c. A number is multiplied by 5. 3 is added to the product. The sum is 28. What is the number? _____
- d. A number is divided by 6. 1 is added to the quotient. The sum is 9. What is the number? _____

10. Some car license tags were made using the letter A and the numbers 1, 2, and 3. How many possible arrangements could begin with the letter A? _____ possibilities
List the possibilities.

7. Grapes cost \$1.69 per pound and bananas cost 89¢ per pound. At that rate, how much would 3 pounds of bananas and 1 pound of grapes cost? _____

9. Honey is the only food that does not spoil. If archaeologists found some honey that was put in an Egyptian tomb in 500 B.C., how old is the honey now?

_____ years (Remember to add to find time lapse if one time is B.C. and the other is A.D.)

