

Home Study Packet
for
Math 65
Second Edition

Masters

Instructions

Included in the *Math 65 Home Study Packet* are seven masters which may be used to support some lesson activities. Masters 1, 2, and 3 are copies of currency which may be used as manipulatives to demonstrate place value and operations of arithmetic, as in Lessons 3, 6, and 9. The Place Value Template is used in Lesson 3 and may be used for other lessons.

The Fraction Masters provide the student with fraction manipulatives which he/she may use with the daily problem sets. We recommend that the student lightly color each of the fraction circles a different color before cutting the pieces. The fraction manipulatives should be conveniently stored so that they are readily available for student use. Using heavier stock paper to reproduce the Fraction Masters improves their durability, as does storing them in resealable storage bags or paper envelopes.

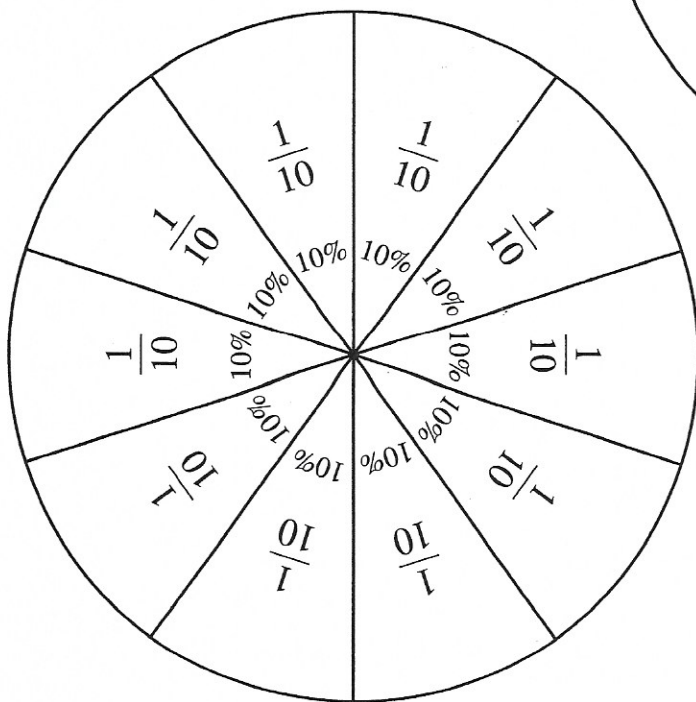
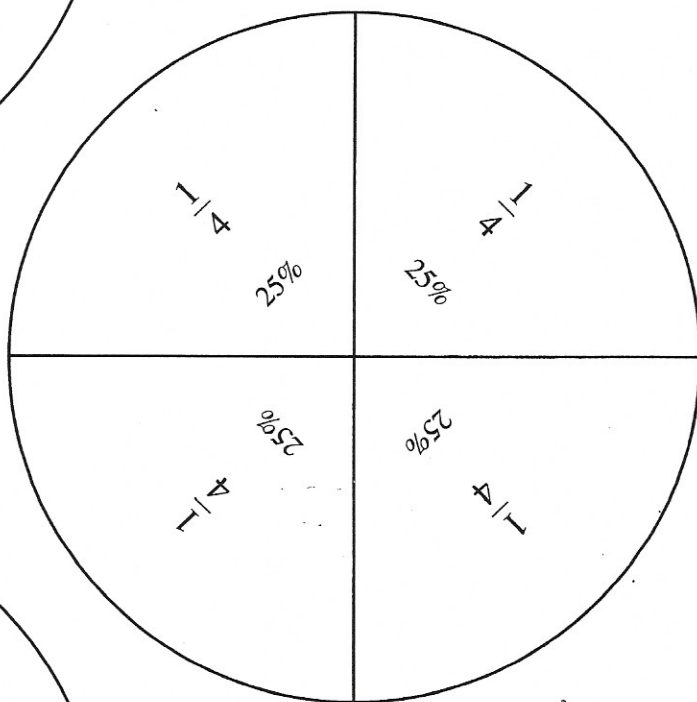
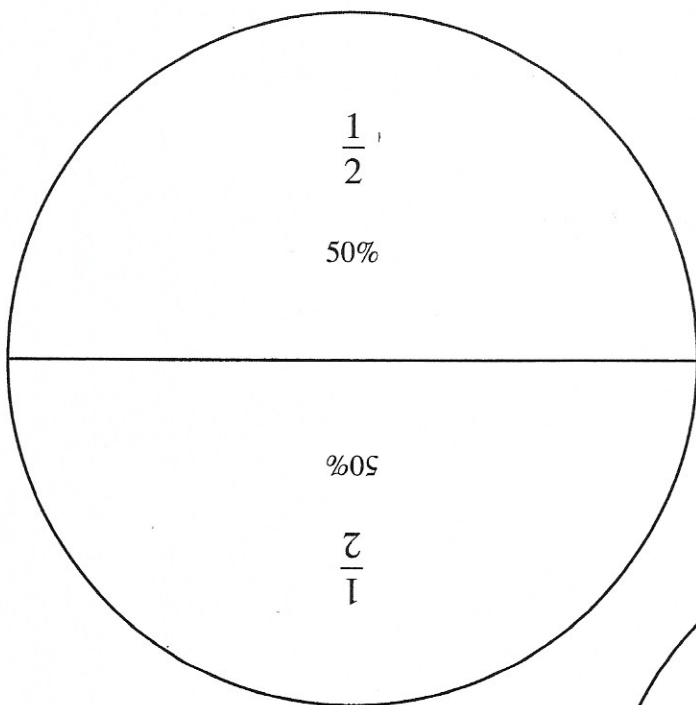
Place Value Template

hundreds

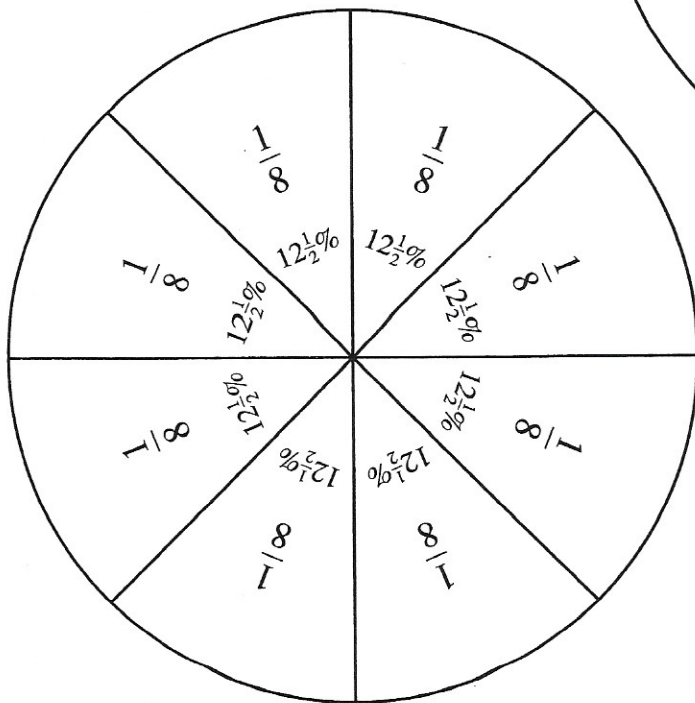
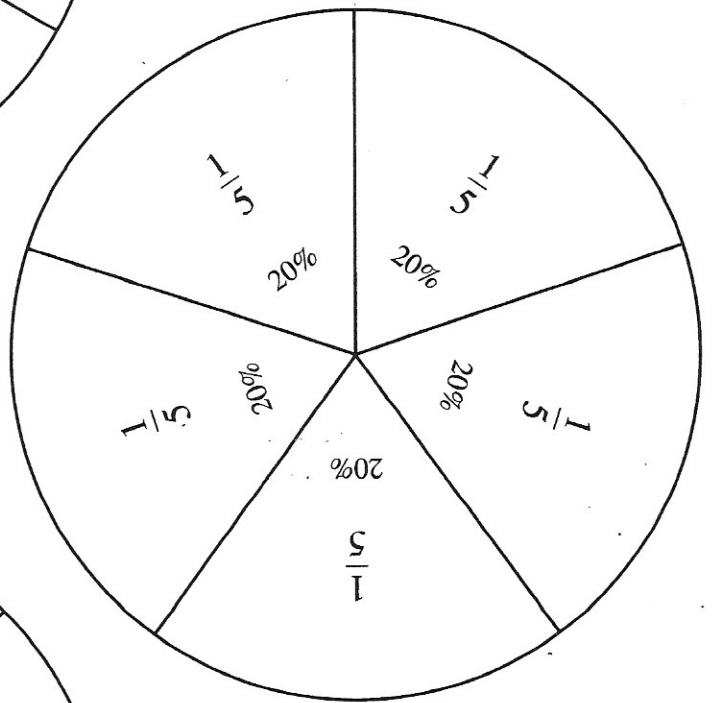
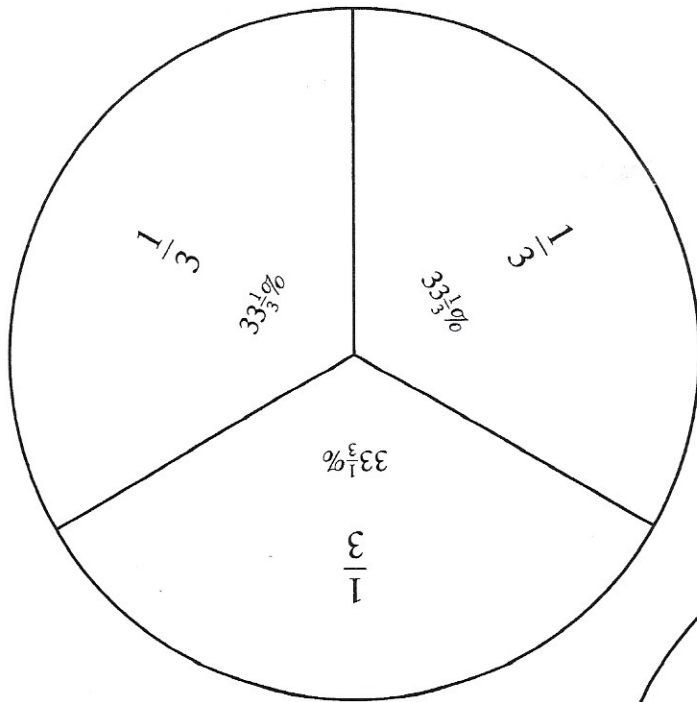
tens

ones

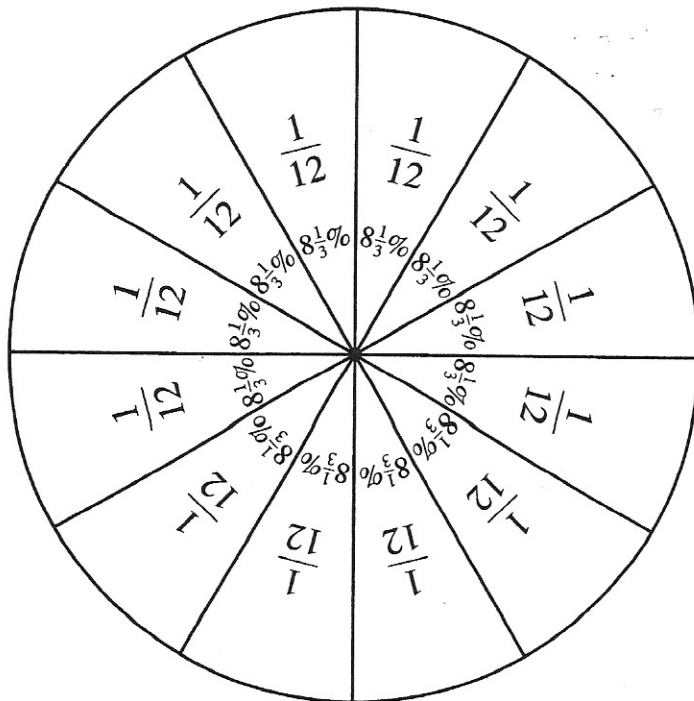
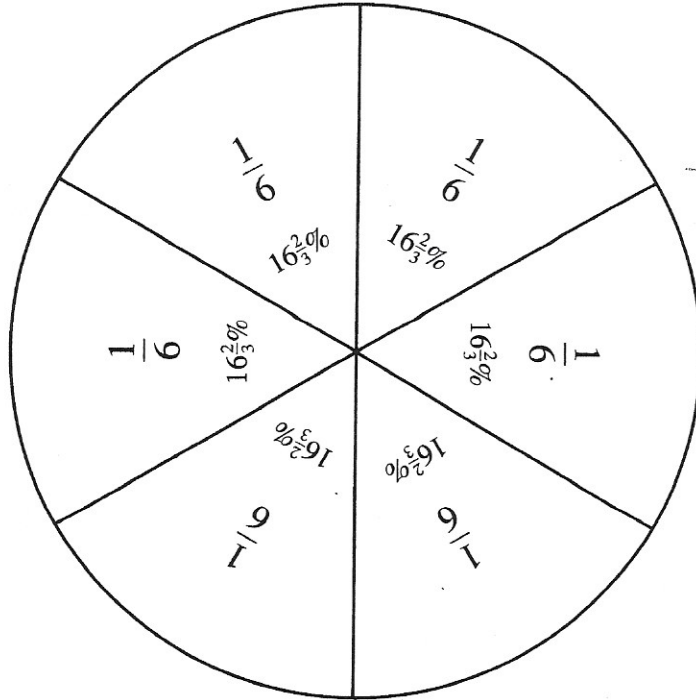
Fraction Master 1



Fraction Master 2



Fraction Master 3



Master 1



Master 2



Master 3



Home Study Packet
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Second Edition

Facts Practice Forms

Instructions

Begin each day's session with a facts practice and limit the testing time to five minutes or less. The rule of thumb for timing a facts practice test is one minute for every 20 questions. For example, five minutes for a 100-question facts practice is a good beginning. Mental processes become fully automated after breaking this five-minute barrier. A student's performance on the facts practice also becomes markedly better after breaking this barrier. Two to three days after a student breaks the five-minute mark, the speed is often down to four minutes. The time element is very important.

The facts practice test forms may be copied as many times as necessary to complete the course for an individual student, or answers may be written on onionskin placed over the page. Begin by saying, "Ready, set, go," and time the student carefully. At the beginning of the course, quickly go over the answers. Later, it is not necessary to go over the questions daily. Initially, the challenge is to generate the proper response to the question. With practice, the challenge is no longer to get the right answer but rather to complete the task as quickly as possible. The student is racing to beat his/her previous record. The student should be asked to record his/her time at the top of the page.

$\begin{array}{r} 5 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 9 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 9 \\ \hline \end{array}$
$\begin{array}{r} 6 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 3 \\ \hline \end{array}$
$\begin{array}{r} 4 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 2 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 9 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 6 \\ \hline \end{array}$
$\begin{array}{r} 5 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 9 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 3 \\ \times 6 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 7 \\ \hline \end{array}$
$\begin{array}{r} 3 \\ \times 4 \\ \hline \end{array}$	$\begin{array}{r} 7 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 5 \\ \times 8 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 2 \\ \hline \end{array}$	$\begin{array}{r} 8 \\ \times 3 \\ \hline \end{array}$	$\begin{array}{r} 2 \\ \times 7 \\ \hline \end{array}$	$\begin{array}{r} 6 \\ \times 5 \\ \hline \end{array}$	$\begin{array}{r} 4 \\ \times 9 \\ \hline \end{array}$

$7\overline{)21}$	$2\overline{)10}$	$6\overline{)42}$	$1\overline{)3}$	$4\overline{)24}$	$3\overline{)6}$	$9\overline{)54}$	$6\overline{)18}$	$4\overline{)0}$	$5\overline{)30}$
$4\overline{)32}$	$8\overline{)56}$	$1\overline{)0}$	$6\overline{)12}$	$3\overline{)18}$	$9\overline{)72}$	$5\overline{)15}$	$2\overline{)8}$	$7\overline{)42}$	$6\overline{)36}$
$6\overline{)0}$	$5\overline{)10}$	$9\overline{)9}$	$2\overline{)6}$	$7\overline{)63}$	$4\overline{)16}$	$8\overline{)48}$	$1\overline{)2}$	$5\overline{)35}$	$3\overline{)21}$
$2\overline{)18}$	$6\overline{)6}$	$3\overline{)15}$	$8\overline{)40}$	$2\overline{)0}$	$5\overline{)20}$	$9\overline{)27}$	$1\overline{)8}$	$4\overline{)4}$	$7\overline{)35}$
$4\overline{)20}$	$9\overline{)63}$	$1\overline{)4}$	$7\overline{)14}$	$3\overline{)3}$	$8\overline{)24}$	$5\overline{)0}$	$6\overline{)24}$	$8\overline{)8}$	$2\overline{)16}$
$5\overline{)5}$	$8\overline{)64}$	$3\overline{)0}$	$4\overline{)28}$	$7\overline{)49}$	$2\overline{)4}$	$9\overline{)81}$	$3\overline{)12}$	$6\overline{)30}$	$1\overline{)5}$
$8\overline{)32}$	$1\overline{)1}$	$9\overline{)36}$	$3\overline{)27}$	$2\overline{)14}$	$5\overline{)25}$	$6\overline{)48}$	$8\overline{)0}$	$7\overline{)28}$	$4\overline{)36}$
$2\overline{)12}$	$5\overline{)45}$	$1\overline{)7}$	$4\overline{)8}$	$7\overline{)0}$	$8\overline{)16}$	$3\overline{)24}$	$9\overline{)45}$	$1\overline{)9}$	$6\overline{)54}$
$7\overline{)56}$	$9\overline{)0}$	$8\overline{)72}$	$2\overline{)2}$	$5\overline{)40}$	$3\overline{)9}$	$9\overline{)18}$	$1\overline{)6}$	$4\overline{)12}$	$7\overline{)7}$

Test F, 90 Division Facts

Name _____

Time _____

$20 \div 4 =$	$21 \div 7 =$	$0 \div 2 =$	$27 \div 3 =$	$8 \div 1 =$	$54 \div 6 =$
$15 \div 5 =$	$6 \div 3 =$	$28 \div 4 =$	$18 \div 2 =$	$24 \div 6 =$	$9 \div 9 =$
$56 \div 8 =$	$0 \div 6 =$	$21 \div 3 =$	$1 \div 1 =$	$25 \div 5 =$	$12 \div 2 =$
$5 \div 1 =$	$45 \div 9 =$	$16 \div 4 =$	$30 \div 6 =$	$9 \div 3 =$	$14 \div 7 =$
$0 \div 8 =$	$6 \div 2 =$	$24 \div 8 =$	$10 \div 5 =$	$81 \div 9 =$	$24 \div 4 =$
$16 \div 2 =$	$30 \div 5 =$	$0 \div 1 =$	$28 \div 7 =$	$4 \div 4 =$	$40 \div 8 =$
$3 \div 3 =$	$18 \div 6 =$	$63 \div 9 =$	$40 \div 5 =$	$10 \div 2 =$	$36 \div 6 =$
$32 \div 8 =$	$12 \div 4 =$	$18 \div 3 =$	$35 \div 7 =$	$8 \div 8 =$	$2 \div 1 =$
$45 \div 5 =$	$7 \div 7 =$	$27 \div 9 =$	$9 \div 1 =$	$48 \div 6 =$	$0 \div 7 =$
$4 \div 1 =$	$0 \div 9 =$	$24 \div 3 =$	$32 \div 4 =$	$5 \div 5 =$	$72 \div 9 =$
$56 \div 7 =$	$15 \div 3 =$	$12 \div 6 =$	$8 \div 2 =$	$63 \div 7 =$	$0 \div 4 =$
$14 \div 2 =$	$42 \div 6 =$	$6 \div 1 =$	$16 \div 8 =$	$20 \div 5 =$	$49 \div 7 =$
$36 \div 4 =$	$64 \div 8 =$	$0 \div 3 =$	$54 \div 9 =$	$4 \div 2 =$	$48 \div 8 =$
$18 \div 9 =$	$3 \div 1 =$	$35 \div 5 =$	$8 \div 4 =$	$72 \div 8 =$	$6 \div 6 =$
$0 \div 5 =$	$42 \div 7 =$	$2 \div 2 =$	$36 \div 9 =$	$7 \div 1 =$	$12 \div 3 =$

$4\overline{)15}$	$9\overline{)14}$	$7\overline{)45}$	$3\overline{)16}$	$6\overline{)38}$	$2\overline{)7}$
$8\overline{)50}$	$5\overline{)28}$	$4\overline{)21}$	$6\overline{)15}$	$7\overline{)11}$	$8\overline{)20}$
$3\overline{)20}$	$7\overline{)32}$	$8\overline{)30}$	$2\overline{)15}$	$5\overline{)43}$	$6\overline{)35}$
$9\overline{)62}$	$4\overline{)10}$	$6\overline{)27}$	$9\overline{)21}$	$4\overline{)19}$	$3\overline{)25}$
$6\overline{)56}$	$2\overline{)17}$	$3\overline{)10}$	$5\overline{)8}$	$9\overline{)40}$	$7\overline{)30}$
$2\overline{)5}$	$8\overline{)25}$	$5\overline{)17}$	$7\overline{)17}$	$3\overline{)8}$	$4\overline{)9}$
$7\overline{)20}$	$6\overline{)10}$	$2\overline{)9}$	$4\overline{)30}$	$8\overline{)15}$	$9\overline{)29}$
$5\overline{)32}$	$3\overline{)14}$	$9\overline{)50}$	$8\overline{)65}$	$2\overline{)11}$	$5\overline{)19}$

$\frac{15}{2} =$	$\frac{9}{8} =$	$\frac{10}{2} =$	$\frac{18}{6} =$	$\frac{8}{3} =$	$\frac{12}{4} =$
$\frac{10}{10} =$	$\frac{3}{2} =$	$\frac{11}{4} =$	$\frac{4}{3} =$	$\frac{12}{5} =$	$\frac{5}{4} =$
$\frac{12}{6} =$	$\frac{9}{3} =$	$\frac{5}{5} =$	$\frac{15}{4} =$	$\frac{6}{2} =$	$\frac{9}{9} =$
$\frac{3}{3} =$	$\frac{7}{4} =$	$\frac{21}{10} =$	$\frac{11}{2} =$	$\frac{7}{6} =$	$\frac{24}{8} =$
$\frac{11}{3} =$	$\frac{9}{5} =$	$\frac{4}{2} =$	$\frac{21}{8} =$	$\frac{6}{5} =$	$\frac{12}{3} =$
$\frac{7}{2} =$	$\frac{25}{6} =$	$\frac{10}{9} =$	$\frac{4}{4} =$	$\frac{12}{2} =$	$\frac{16}{15} =$
$\frac{10}{5} =$	$\frac{5}{2} =$	$\frac{7}{3} =$	$\frac{8}{4} =$	$\frac{8}{8} =$	$\frac{27}{10} =$
$\frac{16}{4} =$	$\frac{6}{6} =$	$\frac{25}{12} =$	$\frac{5}{3} =$	$\frac{7}{5} =$	$\frac{16}{9} =$
$\frac{15}{8} =$	$\frac{10}{3} =$	$\frac{33}{10} =$	$\frac{2}{2} =$	$\frac{35}{6} =$	$\frac{25}{8} =$
$\frac{6}{3} =$	$\frac{8}{5} =$	$\frac{9}{4} =$	$\frac{12}{12} =$	$\frac{25}{2} =$	$\frac{9}{2} =$

$\frac{2}{10} =$	$\frac{8}{16} =$	$\frac{2}{6} =$	$\frac{10}{100} =$	$\frac{6}{8} =$
$\frac{10}{15} =$	$\frac{5}{10} =$	$\frac{8}{12} =$	$\frac{9}{15} =$	$\frac{4}{16} =$
$\frac{2}{8} =$	$\frac{4}{10} =$	$\frac{15}{20} =$	$\frac{4}{8} =$	$\frac{4}{6} =$
$\frac{6}{15} =$	$\frac{4}{12} =$	$\frac{25}{100} =$	$\frac{10}{25} =$	$\frac{12}{20} =$
$\frac{20}{100} =$	$\frac{6}{9} =$	$\frac{2}{4} =$	$\frac{3}{12} =$	$\frac{3}{15} =$
$\frac{3}{9} =$	$\frac{2}{12} =$	$\frac{6}{10} =$	$\frac{12}{16} =$	$\frac{50}{100} =$
$\frac{9}{12} =$	$\frac{3}{6} =$	$\frac{5}{15} =$	$\frac{10}{12} =$	$\frac{8}{24} =$
$\frac{12}{15} =$	$\frac{8}{10} =$	$\frac{75}{100} =$	$\frac{6}{12} =$	$\frac{12}{24} =$

$\frac{16}{20} =$	$\frac{6}{4} =$	$\frac{4}{6} =$	$\frac{10}{8} =$	$\frac{3}{12} =$
$\frac{12}{9} =$	$\frac{2}{4} =$	$\frac{12}{10} =$	$\frac{12}{4} =$	$\frac{12}{8} =$
$\frac{8}{3} =$	$\frac{8}{6} =$	$\frac{4}{12} =$	$\frac{10}{4} =$	$\frac{4}{10} =$
$\frac{20}{8} =$	$\frac{4}{8} =$	$\frac{20}{9} =$	$\frac{24}{6} =$	$\frac{9}{6} =$
$\frac{15}{10} =$	$\frac{5}{2} =$	$\frac{12}{20} =$	$\frac{15}{9} =$	$\frac{8}{12} =$
$\frac{4}{20} =$	$\frac{8}{24} =$	$\frac{10}{6} =$	$\frac{3}{6} =$	$\frac{16}{10} =$
$\frac{2}{8} =$	$\frac{20}{6} =$	$\frac{6}{3} =$	$\frac{25}{12} =$	$\frac{9}{12} =$
$\frac{10}{2} =$	$\frac{8}{8} =$	$\frac{50}{100} =$	$\frac{6}{12} =$	$\frac{15}{6} =$
$\frac{10}{3} =$	$\frac{10}{20} =$	$\frac{24}{9} =$	$\frac{6}{8} =$	$\frac{16}{5} =$
$\frac{5}{10} =$	$\frac{14}{8} =$	$\frac{15}{2} =$	$\frac{21}{6} =$	$\frac{16}{24} =$

1% =	20% =	55% =	90% =	75% =
99% =	5% =	95% =	80% =	12% =
70% =	65% =	50% =	2% =	48% =
24% =	25% =	98% =	40% =	15% =
60% =	30% =	4% =	35% =	36% =
45% =	8% =	10% =	21% =	85% =

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Test Forms

Instructions

Tests are an important component of the Saxon program. We believe that concepts and skills should be continually tested. However, tests should only be administered after the concepts and skills have been thoroughly practiced. Each test specifies when that particular test is to be given to the student. A schedule is also included on the back side of this page.

Note: Optional student answer forms are located at the back of this booklet. These forms provide sufficient writing space so that the student can show all of his/her work along with his/her answers. Answer forms may be copied as often as necessary to complete the course.

Math 65

Testing Schedule

Test to be administered:	Covers Material up through:	Give after teaching:
Test 1	Lesson 5	Lesson 10
Test 2	Lesson 10	Lesson 15
Test 3	Lesson 15	Lesson 20
Test 4	Lesson 20	Lesson 25
Test 5	Lesson 25	Lesson 30
Test 6	Lesson 30	Lesson 35
Test 7	Lesson 35	Lesson 40
Test 8	Lesson 40	Lesson 45
Test 9	Lesson 45	Lesson 50
Test 10	Lesson 50	Lesson 55
Test 11	Lesson 55	Lesson 60
Test 12	Lesson 60	Lesson 65
Test 13	Lesson 65	Lesson 70
Test 14	Lesson 70	Lesson 75
Test 15	Lesson 75	Lesson 80
Test 16	Lesson 80	Lesson 85
Test 17	Lesson 85	Lesson 90
Test 18	Lesson 90	Lesson 95
Test 19	Lesson 95	Lesson 100
Test 20	Lesson 100	Lesson 105
Test 21	Lesson 105	Lesson 110
Test 22	Lesson 110	Lesson 115
Test 23	Lesson 115	Lesson 120
Test 24	Lesson 120	Lesson 125
Test 25	Lesson 125	Lesson 130
Test 26	Lesson 130	Lesson 135
Test 27	Lesson 135	Lesson 140
Test 28	Lesson 140	Lesson 140

In problems 1–3, write the next three numbers in each sequence:

1. 8, 16, 24, 32, _____, _____, _____, ...

2. 49, 42, 35, 28, _____, _____, _____, ...

3. 25, 30, 35, 40, _____, _____, _____, ...

4. What is the last digit of 27,329?

5. All whole numbers are either even or what?

6. Which of these is an even number?

3527 2735 5732

7. Which of these is an odd number?

8431 3418 1834

8. Mrs. Gruper has one more girl than she has boys. Which could **not** be the number of Mrs. Gruper's children?

A. 3

B. 14

C. 17

9. Write the number which has a value of 2 hundreds, 4 tens, and 9 ones.

10. Which digit shows the number of tens in 847?

11. How much is 8 hundreds plus 3 tens?

12. One hundred equals how many tens?

In problems 13 and 14, write each statement with numbers and a comparison symbol:

13. Thirteen is less than thirty.

14. Seventeen is greater than six.

15. Compare: 102 ○ 111

16. Compare: 23 ○ 32

17. Use words to name \$329.72.

18. Use words to name 115.

19. Use digits to write seven hundred three dollars and forty cents.

20. Use digits to write three hundred nine.

1. In George's class there are twenty-three girls and eighteen boys. How many students are in his class?
2. Susan practices gymnastics for 45 minutes every day. If she has practiced 23 minutes, how many more minutes does she still have to practice?
3. For the fact family 1, 4, 5, write two addition facts and two subtraction facts.
4. Use digits to write three hundred seven thousand, eight hundred thirteen.
5. Use the three digits 2, 3, and 4 once each to make an even number greater than 400.
6. $14 + N = 22$
7. $B + 11 = 50$
8. Which digit shows the number of hundreds in 83,384?
9. Compare: $37 - 7 \bigcirc 32 - 2$
10. Think of two even numbers. Add them together. Is the sum odd or even?
11. Jimmy is third in line. Bobby is fifteenth in the same line. How many people are between them?

12.
$$\begin{array}{r} 143 \\ 87 \\ + 623 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 327 \\ - 239 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 900 \\ - 238 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 5 \\ 6 \\ 2 \\ 9 \\ + 7 \\ \hline \end{array}$$

16. $\$189 - \40

17. $\$23 + \$276 + \$3$

Write the next number in each sequence in problems 18–20:

18. 9, 18, 27, _____, ...

19. 35, 40, 45, _____, ...

20. 63, 56, 49, _____, ...

1. Write two addition facts and two subtraction facts for the fact family 5, 6, 11.
2. What is the product of 4 and 9?
3. Draw a number line with whole numbers marked and numbered from 0 to 8.
4. $D - 14 = 31$
5. $17 - N = 8$
6. There were 11 boys and 16 girls in the class. How many students were in the class?
7. Jerry picked 23 peaches in the morning. If he picked 34 peaches that day, how many peaches did he pick in the afternoon?
8. Use tally marks to show the number fourteen.
9. $3 + 3 + 3 + 3 + 3 + 3$
10. $274 + 23 + 206$
11. $408 - 29$
12.
$$\begin{array}{r} \$3.24 \\ \$1.17 \\ + \$7.03 \\ \hline \end{array}$$
13.
$$\begin{array}{r} 729 \\ 84 \\ + 654 \\ \hline \end{array}$$
14.
$$\begin{array}{r} \$2.12 \\ - \$1.83 \\ \hline \end{array}$$
15.
$$\begin{array}{r} 900 \\ - 767 \\ \hline \end{array}$$
16. Which digit is in the tens' place in 432,685?
17. Use digits to write the number forty-seven thousand, nine hundred seventy.
18. How much is 3 eights?
19. Compare: $2767 \bigcirc 2776$
20. What is the **seventh** number in this sequence?
8, 16, 24, 32, ...

1. In one day Ray read 2 journals. One journal had 67 pages. The other had 98 pages. How many pages did he read in all?
2. There are four soccer teams with 9 players on each team. How many players are there on all 4 soccer teams? Find the answer once by adding and again by multiplying.
3. What is the sum of five hundred fifty and two hundred fifteen?
4. There are 359 students on the playground. If there are 169 boys, how many girls are there?
5. Use tally marks to show the number nine.
6. Use digits and symbols to compare three plus four to three times four.
7. Compare: $8 + 8 + 8 + 8$ \bigcirc 5×8
8. Which of these lines is oblique?

A.



B.



C.



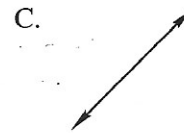
9. $M \times 10 = 90$
10. Think of an odd number and an even number. Multiply them. Is the answer odd or even?
11.
$$\begin{array}{r} \$27 \\ \times 6 \\ \hline \end{array}$$
12.
$$\begin{array}{r} \$4.08 \\ \times 5 \\ \hline \end{array}$$
13.
$$\begin{array}{r} 4321 \\ - 2893 \\ \hline \end{array}$$
14.
$$\begin{array}{r} \$50.00 \\ - \$18.63 \\ \hline \end{array}$$
15. $278 + 39 + 462$
16. $2 \times 4 \times 6$
17. $3 \overline{)12}$
18. $12 \div 4$
19. $\frac{12}{6}$
20. $426 + 32 + M = 714$

1. List the factors of 24.
2. The 25 desks were lined up in 5 equal rows. How many desks were in each row?

Use the following information to answer problems 3 and 4:

There are 20 pigs that live on Mr. Hazeldine's farm. One half of the pigs are brown, one fourth of the pigs are black, and one tenth of the pigs are pink.

3. How many pigs are black?
4. How many pigs are brown?
5. Write two multiplication facts and two division facts for the fact family 5, 6, 30.
6. What is the sum of two hundred seventy and eight hundred eighteen?
7. There were three lines of students. If each line had six students in it, how many students were there?
8. Compare: $3 \times (2 + 5)$ \bigcirc $3 + (2 \times 5)$
9. Which of these lines is neither oblique nor vertical?



10. $\$20 + \$7.32 + \$0.42$

11. $\$7 - \3.46

12. $15 \div (10 \div 2)$

13. $8 \overline{)70}$

14. $\frac{42}{7}$

15. $7 \times 5 \times 10$

16. 728×6

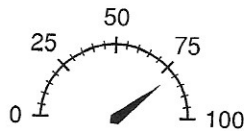
17.
$$\begin{array}{r} 3824 \\ 276 \\ + 2503 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 1000 \\ - 97 \\ \hline \end{array}$$

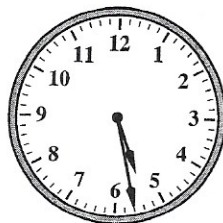
19.
$$\begin{array}{r} \$9.04 \\ \times 8 \\ \hline \end{array}$$

20. $13 + 4 + 6 + 9 + 3 + 18 + M = 80$

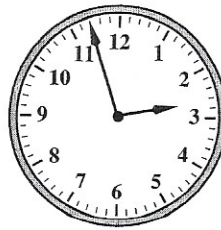
1. How many years were there from 1928 to 1973?
2. Mikey bought four corndogs for \$1.24 each and a soda for \$0.95. How much did he spend in all?
3. What is the product of fifteen and five?
4. Aaron, Pete, Mark, Ann, and Becky equally shared twenty frozen treats. How many frozen treats did each person have?
5. What is the largest three-digit even number that has the digits 5, 4, and 7?
6. Think of an odd number. Multiply it by 3. Is the answer odd or even?
7. If Billy is seventh in line, how many people are in front of him?
8. To what number is the arrow pointing?



9. List the factors of 27.
10.
$$\begin{array}{r} 2738 \\ - 1476 \\ \hline \end{array}$$
11.
$$\begin{array}{r} \$40.00 \\ - \$4.87 \\ \hline \end{array}$$
12.
$$\begin{array}{r} \$8.63 \\ \times \quad 6 \\ \hline \end{array}$$
13.
$$\begin{array}{r} 23 \\ 72 \\ 84 \\ 15 \\ + 2 \\ \hline \end{array}$$
14. 60×35
15. $\frac{400}{5}$
16. $6 \overline{)9.24}$
17. $237 \div 8$
18. $4 \times (5 + 9)$
19. Compare: $\frac{1}{10}$ of a century 1 decade
20. If it is afternoon, what time is shown by this clock?



1. Draw a pair of intersecting lines that are perpendicular.
2. It is morning. What time is shown by this clock?

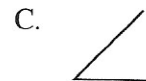
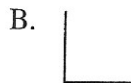


3. Seven decades is how many years?
4. List the factors of 36.
5. Gary's fish tank holds 12 gallons of water. Four quarts equals 1 gallon. How many quarts of water does the fish tank hold?
6. Round 34 to the nearest ten.
7. Round 866 to the nearest hundred.
8. Compare: $30 - (15 - 5) \bigcirc (30 - 15) - 5$
9. What fraction names the shaded part of the circle?

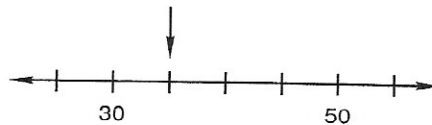
10. What percent of the circle is shaded?



11. Which of these angles appears to be an acute angle?



12. The arrow is pointing to what number on the number line?



13. $\$7.26 + \$14 + \$0.35$

14. $\$10 - \3.26

15. $7 \times 15 \times 10$

16. $\$3.75 \times 30$

17. $7 \overline{)1932}$

18. $427 \div 6$

19. $\frac{2000}{4}$

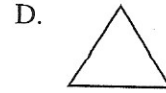
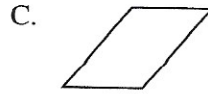
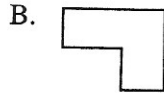
20. What are the next three numbers in this sequence?

..., 325, 350, 375, 400, _____, _____, _____, ...

1. There are 9 more purple crystals than black crystals. If there are 14 black crystals, how many purple crystals are there?

2. Draw a hexagon and shade $\frac{5}{6}$ of it.

3. Which of these is a quadrilateral?



4. Draw a triangle which has one obtuse angle.

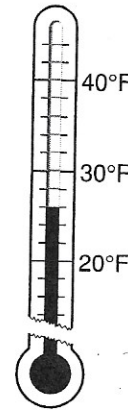
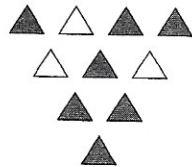
5. Write the time that is 15 minutes before noon.

6. Round 329 to the nearest hundred.

7. What temperature is shown on this thermometer?

8. When Helen finished writing page 112 of a 238 page book, she still had how many pages to write?

9. What fraction of the triangles is shaded?



10. $\$679 + \$0.43 + \$3.80$

11. $7732 - 2857$

12. 249×400

13. $7 \times 15 \times 3$

14. $6 \overline{) \$5.16}$

15. $\frac{161}{7}$

16. $473 \div 3$

17. $\$100 - \27.32

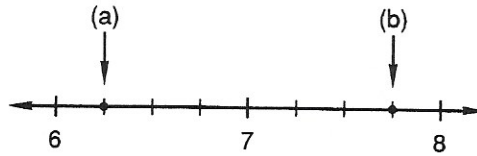
18. $200 - (20 - 2)$

19. How many days are there in the first 4 months of a common year?

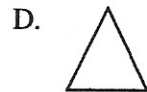
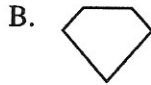
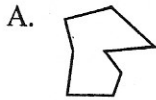
20. According to this calendar, what is the date of the third Thursday in May, 2024?

May 2024						
S	M	T	W	T	F	S
			1	2	3	4
5	6	7	8	9	10	11
12	13	14	15	16	17	18
19	20	21	22	23	24	25
26	27	28	29	30	31	

1. Draw and shade circles to represent the mixed number two and one fourth.
2. Name each point marked by an arrow on this number line.



3. A new hat costs \$15.28. Sam has \$11.29. How much more money does he need to have enough money to buy the hat?
4. What is half of 43?
5. Which of these shapes is not a polygon?

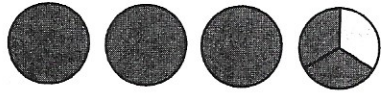


6. What mixed number names the number of shaded pentagons?

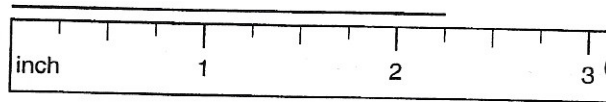


7. Compare: $\frac{1}{4} \bigcirc \frac{1}{10}$
8. One quarter plus three nickels is what percent of a dollar?
9. $4287 + 29 + 638 + 3$
10. $3012 - 2877$
11. $\$8.04 \times 30$
12. $3 \times 2 \times 4 \times 5$
13. $4 \overline{) \$51.40}$
14. $\frac{3483}{9}$
15. $7 \overline{) 5436}$
16. $\frac{4}{9} + \frac{4}{9}$
17. $\frac{8}{6} - \frac{3}{6}$
18. $\frac{1}{5} - \frac{1}{5}$
19. $\$40 - (\$8.79 + \$17 + \$0.83)$
20. Jack has 4 bags of beans. If each bag has 17 beans in it, how many beans does Jack have?

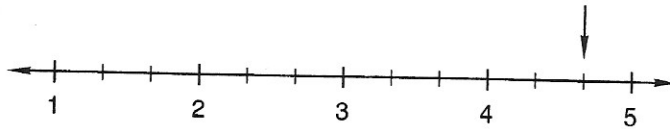
- Alex bought items at the market that came to \$5.34. If he paid for the items with a \$10 bill, how much money should he get back?
- What year came 5 decades after 1914?
- Erin scored $\frac{3}{4}$ of her team's 16 points. How many points did Erin score?
- What is the sum of seven hundred thirty-two and three hundred twenty-eight?
- Counting by tens, 233 is closest to:
A. 220 B. 230 C. 240 D. 250
- Draw a triangle that has one right angle.
- What mixed number names the number of shaded circles?



- How long is this segment?



- On this number line, the arrow is pointing to what mixed number?



10. $\frac{4}{10} + \frac{5}{10}$

11. $2\frac{2}{5} + 3\frac{1}{5}$

12. $4\frac{2}{3} - \frac{1}{3}$

13. $\begin{array}{r} 2568 \\ 1827 \\ + 3243 \\ \hline \end{array}$

14. $\begin{array}{r} 5836 \\ - 2359 \\ \hline \end{array}$

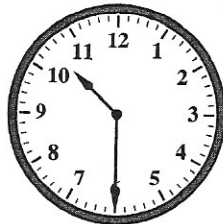
15. $\begin{array}{r} \$3.89 \\ \times 6 \\ \hline \end{array}$

16. 267×50

17. $3\overline{)600}$

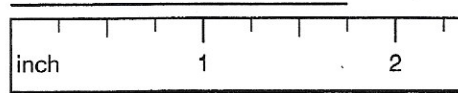
18. $\$16.52 \div 7$

- It is morning. What time will it be in 3 hours?



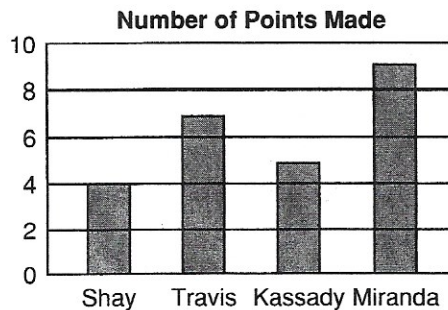
- Compare: $8 \times (1 + 3)$ Number of days in January

- Steve is 5 years older than Tom. Tom is 3 years older than Susan. If Steve is 37, how old is Susan?
- Write the standard form for this expanded notation:
 $(8 \times 1000) + (7 \times 100) + (9 \times 10)$
- Amber is 5 feet 4 inches tall. How many inches tall is Amber?
- If the sun sets in the west and you face the setting sun, what direction is directly behind you?
- Draw a rectangle and shade one third of it. What percent of the rectangle is shaded?
- How long is this segment?



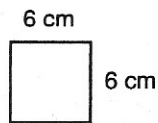
- Seven centimeters equals how many millimeters?
- Use digits to write the number four hundred seventy-two thousand, three hundred thirty-eight.
- $\$6.59 + \$14.32 + \$32$
- $\$100 - \77.35
- $$\begin{array}{r} 327 \\ \times 6 \\ \hline \end{array}$$
- $$\begin{array}{r} \$9.02 \\ \times 30 \\ \hline \end{array}$$
- $$\begin{array}{r} 4020 \\ - 327 \\ \hline \end{array}$$
- $6 \overline{)725}$
- $7 \overline{)3000}$
- $\frac{416}{4}$
- $\frac{5}{7} - \frac{5}{7}$
- $4\frac{2}{5} + 1\frac{1}{5}$
- $3\frac{2}{3} - 2\frac{1}{3}$

Use this graph to answer problem 20:



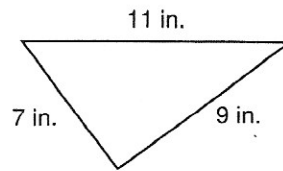
- Miranda scored how many more points than Shay?

1. Carl had three jars of chocolate covered ants with 8 ants, 7 ants, and 6 ants respectively. If he switched the ants around so that the same number of ants were in each jar, how many ants would be in each jar?
2. How many is $\frac{3}{4}$ of two dozen?
3. How many years were there from 1210 to 1475?
4. Round 923 to the nearest ten.
5. If the radius of a circle is 7 inches, then what is the diameter?
6. Find the missing number: $15 \times 1 = 15 + Y$
7. What is the perimeter of this square?

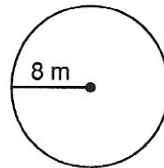


8. If you are facing east, what direction is to your left?
9. Write the standard form for $(7 \times 100,000) + (2 \times 10,000) + (9 \times 100) + (1 \times 1)$.
10. Write the value of the 8 in 128,936.
11. $2714 + 3217 + 18$
12. $7623 - 2849$
13.
$$\begin{array}{r} \$2.76 \\ \times 30 \\ \hline \end{array}$$
14.
$$\begin{array}{r} 52 \\ \times 24 \\ \hline \end{array}$$
15.
$$\frac{4172}{7}$$
16. $4 \overline{)7000}$
17. $6 + \frac{1}{4}$
18. $5\frac{1}{2} - 2$
19. Draw a circle. Shade all but $\frac{1}{3}$ of it. What percent of the circle is shaded?
20. Use words to name 32876534.

1. Divide and write the answer with a fraction: $7\overline{)59}$
2. The divisor is 6. The dividend is 354. What is the quotient?
3. Use digits to write the number fifty-two million, six hundred eighty-seven thousand, three hundred twenty.
4. Which number shows the number of hundred millions in 843,578,324?
5. In the four boxes there were 17 pens, 7 pens, 11 pens, and 5 pens, respectively. If the number of pens in each box were made equal, how many pens would be in each box?
6. What is the perimeter of the triangle?



7. The radius of the circle is 8 m. What is its diameter?



8. Compare: Number of sides on 5 octagons ○ Number of sides on 9 quadrilaterals
9. Draw a circle and shade $\frac{3}{4}$ of it.
10. Greg missed $\frac{1}{5}$ of the 15 free throws. How many free throws did he miss?

11.
$$\begin{array}{r} 7832 \\ 273 \\ + 917 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 2903 \\ - 1420 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 239 \\ \times 621 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 805 \\ \times 220 \\ \hline \end{array}$$

15. $763 \div 10$

16. Divide and write the answer with a fraction: $7\overline{)8023}$

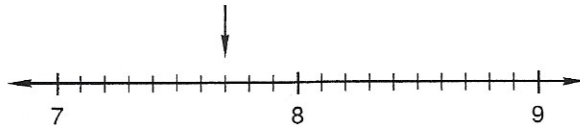
17. $30\overline{) \$3.90}$

18. $7\frac{3}{5} + 2$

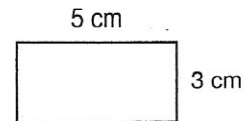
19. $5\frac{4}{5} - \frac{1}{5}$

20. $\$30 - (\$17 + \$9.78 + \$0.23)$

1. In the first basket there were 17 oranges. In the second basket there were 23 oranges. If some oranges are moved from the second basket to the first basket so that the number of oranges in each basket is the same, then how many oranges will be in each basket?
2. Clark has eaten $\frac{1}{5}$ of his pecan pie. What fraction of his pie is left to eat?
3. From 1826 to 1956 was how many decades?
4. Estimate the product of 66 and 22 by rounding the numbers to the nearest ten before you multiply.
5. Round 1239 to the nearest hundred.
6. Compare: $\frac{5}{10} \bigcirc \frac{100}{200}$
7. On this number line, the arrow is pointing to what mixed number?



8. If you face the rising sun, what direction is to your left?
9. (a) What is the length of this rectangle?
(b) What is the perimeter of this rectangle?



10. $9 \times M = 63$

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

12. $7 - 1\frac{2}{3}$

13. $1 - \frac{1}{5}$

14. $3821 - 230$

15. $\$20 - (\$8 + \$5.47)$

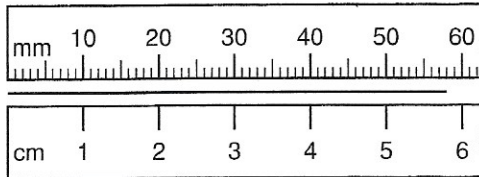
16.
$$\begin{array}{r} 125 \\ \times 432 \\ \hline \end{array}$$

17. $5633 \div 8$

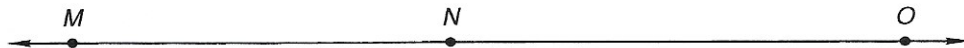
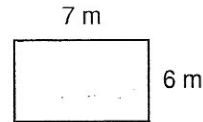
18. $20 \overline{)340}$

19. Use digits to write the number twenty-three million, two hundred sixteen thousand, four hundred twenty.
20. Divide and write the quotient with a fraction: $\frac{59}{8}$

- What decimal number is equal to the fraction $\frac{9}{10}$?
- What fraction is equal to the decimal number 0.17?
- Name the shaded part of the rectangle
 - as a fraction.
 - as a decimal number.
- Divide 85 by 9 and write the quotient with a fraction.
- Name the place occupied by the 4 in the following numbers:
 - 19.42
 - 27.84
- Find the length of this segment to the nearest tenth of a centimeter:



- Round 475 to the nearest hundred.
- What is the length of this rectangle?
 - What is the perimeter of this rectangle?
- The length of segment MN is 3 in. The length of segment NO is 5 in. What is the length of segment MO ?



- Estimate the product of 44 and 27 by rounding the numbers to the nearest ten before you multiply.

11.
$$\begin{array}{r} 9247 \\ 2836 \\ + 421 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 2085 \\ - 1776 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 584 \\ \times 67 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 509 \\ \times 280 \\ \hline \end{array}$$

15.
$$\frac{510}{30}$$

16. $40 \overline{)915}$

17. $6 - \frac{1}{5}$

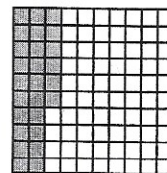
18. $\frac{2}{3} + \frac{1}{3}$

19. $3\frac{3}{4} - 2\frac{3}{4}$

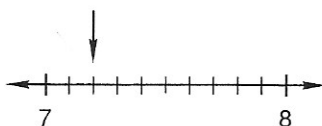
- If $\frac{2}{3}$ of the class is girls, then what fraction of the class is boys?

- Adam bought three bolts for \$1.23 each. If he gave the clerk \$5.00, how much money should he get back?
- List the factors of 16 that are also factors of 24.

- What decimal number names the shaded part of this square?
 - What percent of this square is shaded?



- Use words to name the decimal number: 76.25
- Write the fraction $\frac{87}{100}$ as a decimal number.
- Use digits to write the decimal number fourteen and twenty-three hundredths.
- Which digit in 247.38 is in the tenths' place?
- Write the decimal number that names the point on this number line marked with an arrow:



- Write each number with five decimal places:
 - 13.2
 - 4.37800000
- Estimate the product of 27 and 41.

11. $274 + 38 + 3519 + 6 + 12$

12.
$$\begin{array}{r} 30,000 \\ - 21,325 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 227 \\ \times 160 \\ \hline \end{array}$$

14.
$$\frac{4788}{6}$$

15. $20 \times 35 \times 3$

16. $5 \overline{)840}$

17. $\$95.60 \div 40$

18. $7 - \left(5\frac{2}{3} - 4 \right)$

19. $2\frac{1}{4} + 1\frac{1}{4} + 3\frac{1}{4} + 1\frac{1}{4}$

20. Divide and write the quotient as a mixed number: $\frac{29}{6}$

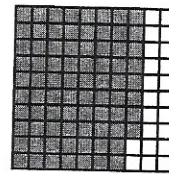
1. Arrange these fractions in order from least to greatest:

$$\frac{1}{4}, \frac{6}{6}, \frac{4}{8}, \frac{2}{3}$$

2. Write the fraction $\frac{8}{3}$ as a mixed number.
3. Twelve inches equals one foot. Three feet equals one yard. Eight yards equals how many inches?
4. Use digits to write the decimal number thirteen and fifty-two hundredths.
5. Which digit in 456.29 is in the hundredths' place?

6. Name the shaded part of the square

- (a) as a fraction.
(b) as a decimal number.



7. Round 8734 to the nearest ten.
8. Compare: $8.42 \bigcirc 8.420$
9. Divide 873 by 4 and write the quotient with a fraction.

10. $\$9.28 + 97\text{¢} + \2

11. $\$1.22 - 74\text{¢}$

12.
$$\begin{array}{r} 8.26 \\ 1.4 \\ + 0.72 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 4.892 \\ - 1.9 \\ \hline \end{array}$$

14.
$$\begin{array}{r} \$0.46 \\ \times 3 \\ \hline \end{array}$$

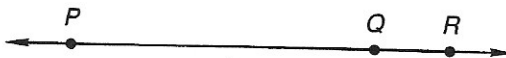
15. $4 \overline{) \$9.16}$

16. $30 \overline{) 625}$

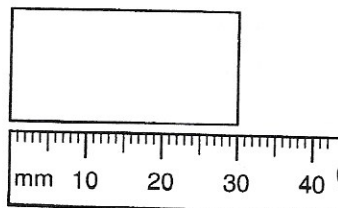
17. $8 - \left(7\frac{4}{5} - \frac{3}{5} \right)$

18. $2\frac{3}{5} + 3\frac{2}{5}$

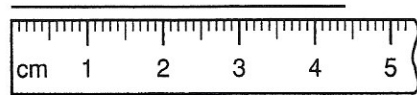
19. The length of segment PQ is 5 cm. Segment QR is 2 cm long. Find the length of segment PR .



20. The width of the rectangle is 15 mm. What is its perimeter in centimeters?



- Ryan bought three model airplanes for \$3.40 each and a jar of green paint for 85¢. What was the total cost of the items?
- Which fraction does not equal $\frac{1}{2}$?
A. $\frac{5}{10}$ B. $\frac{2}{4}$ C. $\frac{6}{12}$ D. $\frac{4}{9}$
- Write $\frac{9}{100}$ as a decimal number.
- There are 1320 feet in a quarter mile. How many yards are in a quarter mile?
- One ton equals 2000 pounds. A six ton elephant weighs how many pounds?
- Which digit in 287.5 is in the same place as the 4 in 38.4?
- Compare: $\frac{1}{2} \times \frac{6}{6} \bigcirc \frac{2}{4}$
- Write a fraction equal to $\frac{3}{5}$ that has a denominator of 10.
- The first prime number is 2. What are the next four prime numbers?
- Write the length of this segment to the nearest tenth of a centimeter:

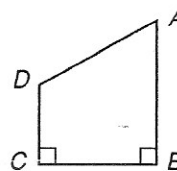


- | | | |
|--------------------------------------|---|---|
| 11. $\$3 + \$2.87 + 84¢ + \$16 + 6¢$ | 12. $\begin{array}{r} 21.72 \\ 2.2 \\ + 17.3 \\ \hline \end{array}$ | 13. $\begin{array}{r} 87.56 \\ - 8.7 \\ \hline \end{array}$ |
| 14. $\frac{9510}{30}$ | 15. $\begin{array}{r} \$6.39 \\ \times 4 \\ \hline \end{array}$ | 16. $20 \times 40 \times 60$ |
| 17. $4 \overline{) \$57.00}$ | 18. $\frac{4}{5} + \frac{2}{5}$ | 19. $\frac{2}{3} \times \frac{1}{3}$ |

- The length of segment EF is 14 cm. Segment EG is 37 cm long. How long is segment FG ?



- Sixteen ounces equals one pint. Two pints equals one quart. Three quarts equals how many ounces?
- In quadrilateral $ABCD$, $\angle BAD$ is acute. Which angle is obtuse?
- In quadrilateral $ABCD$, which segment is perpendicular to segment CD ?



- Which word names this shape?

A. Cube	B. Cone
C. Pyramid	D. Cylinder



- What is $\frac{1}{3}$ of 24?
 - What is $\frac{2}{3}$ of 24?
- One sixth of the 18 students earned an A. How many students earned an A?
- Find the greatest common factor (GCF) of 16 and 24.
 - Use the GCF of 16 and 24 to reduce $\frac{16}{24}$.
- How many quarts are in one gallon?

9. Reduce each fraction:

(a) $\frac{4}{16}$

(b) $\frac{14}{21}$

(c) $\frac{3}{6}$

10.
$$\begin{array}{r} 37.85 \\ 6.629 \\ + 263.4 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 29.684 \\ - 17.79 \\ \hline \end{array}$$

12.
$$\begin{array}{r} \$2.47 \\ \times 6 \\ \hline \end{array}$$

13. $4 \overline{) \$35.00}$

14.
$$\begin{array}{r} 7010 \\ - 3976 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 450 \\ \times 803 \\ \hline \end{array}$$

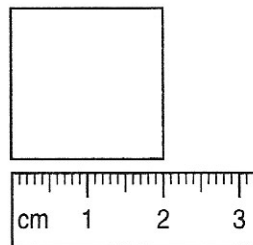
16. $\frac{5220}{60}$

17. $5\frac{4}{5} + 2\frac{4}{5}$

18. $5 - \left(\frac{1}{4} + 2\right)$

19. Compare: $\frac{2}{5} \times \frac{4}{4} \bigcirc \frac{2}{5} \times \frac{2}{2}$

20. What is the perimeter of the square?



1. School starts at 7:45 a.m. It takes Jeromy 10 minutes to ride his bicycle to school. At what time should he start for school if he wants to get there 15 minutes early?

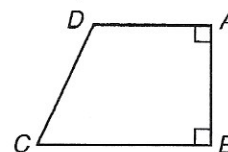
2. Write the fraction $\frac{12}{5}$ as a mixed number.

3. Reduce $\frac{12}{15}$.

4. A quart of water is how many ounces of water?

5. Which segment in quadrilateral $ABCD$ is parallel to segment AD ?

6. Which angle in quadrilateral $ABCD$ appears to be an acute angle?



7. A soup can is an example of a:

- A. Pyramid B. Cylinder C. Sphere D. Rectangular solid

8. What number is $\frac{4}{5}$ of 30?

9. (a) Find the greatest common factor (GCF) of 14 and 21.

(b) Use the GCF of 14 and 21 to reduce $\frac{14}{21}$.

10. Write a fraction equal to $\frac{3}{4}$ that has a denominator of 12.

11. $\$3.74 + \$13 + 28¢$

12. $84,016 - 8127$

13. 907×120

14. $4 \overline{) \$15.24}$

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

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

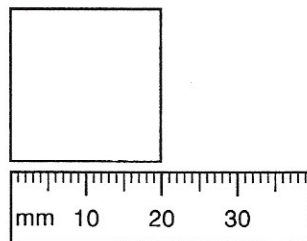
17. $\frac{3}{5} \div \frac{3}{5}$

Solve and reduce:

18. $\frac{7}{8} - \frac{3}{8}$

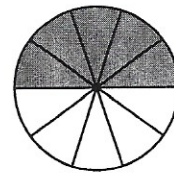
19. $2\frac{1}{6} + 3\frac{1}{6}$

20. What is the perimeter of this square?



1. What is the reciprocal of $\frac{5}{4}$?
2. Write fractions equal to $\frac{1}{3}$ and $\frac{1}{5}$ with denominators of 15. Then add the fractions.
3. Mary made two dozen cookies which she laid in 6 rows on a large cookie sheet. How many cookies were in each row?
4. (a) What number is $\frac{1}{5}$ of 70?
(b) What number is $\frac{3}{5}$ of 70?

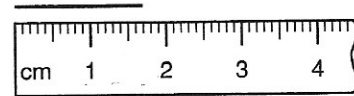
5. Name the shaded part of the circle
(a) as a reduced fraction.
(b) as a decimal number.
(c) as a percent.



6. List these numbers in order of size from least to greatest:

$$0.3, \frac{2}{3}, 0$$

7. Write the length of the segment
(a) as a number of centimeters.
(b) as a number of millimeters.



Simplify and reduce:

8. $\frac{24}{14}$

9. $\frac{2}{3} = \frac{\square}{12}$

10.
$$\begin{array}{r} 27.2 \\ 9.43 \\ + 17.5 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 5201 \\ - 3839 \\ \hline \end{array}$$

12.
$$\begin{array}{r} \$6.25 \\ \times 24 \\ \hline \end{array}$$

13. $10 \overline{) \$22.00}$

14. $31 \overline{) 806}$

15. $16 \overline{) 832}$

16. $7\frac{7}{8} - 2\frac{5}{8}$

17. $2\frac{4}{5} + 3\frac{4}{5}$

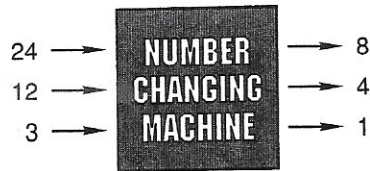
18. $\frac{3}{4} \times 5$

19. $\$7.83 + 59¢ + \14

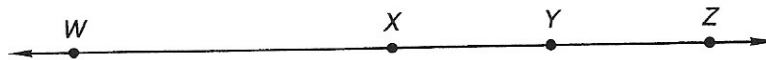
20. $14 \times \$0.35$

Read this information. Then answer questions 1 and 2.

Shiela has a function machine that works in such a way that when she puts in a 24, an 8 comes out. When she puts in a 12, a 4 comes out, and when she puts in a 3, a 1 comes out.



- What rule does Shiela's machine use?
A. It subtracts 7. B. It divides by 4. C. It multiplies by 2. D. It divides by 3.
- If Shiela puts in a 9, what number will come out?
- There are 27 students in Mr. White's class. If there are 15 boys in the class, what is the ratio of girls to boys in his class?
- A basketball goal is ten feet off the ground. Ten feet is how many inches?
- The length of segment WX is 3.4 cm. Segment XY is 1.4 cm long. The length of segment YZ equals the length of segment XY . Find the length of segment WZ .

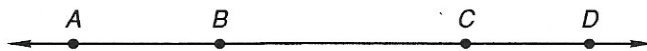


- An ounce is what fraction of a pint?
 - A pint is what fraction of a quart?
 - Use the answers from (a) and (b) above to determine what fraction of a quart an ounce represents.
- Estimate the product of 325 and 671.
- Write this decimal number in simplest form: 00021.090
- What is the reciprocal of $\frac{9}{4}$?
- Reduce $8\frac{12}{15}$.
- $8.5 + 0.31 + 2.46$
- $7.982 - 0.35$
- $273 \div 13$
- $9 - \left(3\frac{2}{5} + 1\frac{1}{5}\right)$
- $\frac{5}{6} + \frac{5}{6}$
- $2.3 + 17 + 0.11$
- $10 \times 97\text{¢}$
- $34\overline{)700}$
- $\frac{3}{5} \div \frac{2}{3}$
- $\frac{2}{3} \times 2$

1. Round \$12.64 to the nearest dollar.
2. (a) Round 18.3 to the nearest whole number.
(b) Round $7\frac{2}{3}$ to the nearest whole number.
3. List these numbers in order of size from least to greatest:

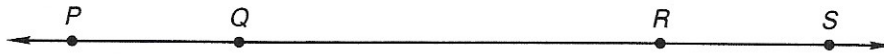
0.8, 0.2, 0

4. Two thirds of the 24 students finished eating lunch early. How many students finished eating lunch early?
5. The length of segment AD is 7.9 cm. Segment AB is 2 cm long. Segment BC is 3.8 cm long. Find the length of segment CD .



6. A basketball represents what geometric solid?
7. Which weighs more?
A. 1 pound of iron B. 16 ounces of leaves C. They weigh the same.
8. $9.75 + 2.3 + 0.43$
9. $5.17 - 0.6$
10. $5 - 3.4$
11. 144×24
12. $5 - \left(2\frac{2}{3} - \frac{1}{3}\right)$
13. $2\frac{5}{8} + 1\frac{6}{8}$
14. $\frac{7014}{7}$
15. $426 \div 30$
16. $23 \overline{)8.28}$
17. $\frac{3}{4} \times 4$
18. $\frac{1}{4} \div \frac{1}{3}$
19. $5 \div \frac{2}{3}$
20. The denominator of $\frac{9}{10}$ is 10. Write a fraction equal to $\frac{1}{2}$ that also has a denominator of 10 and subtract that fraction from $\frac{9}{10}$. Then reduce the answer.

- If five tickets cost \$4.00, how much would fifteen tickets cost?
- Jeff's model airplane has a wingspan of 4 feet. How many inches is four feet?
- The length of segment PS is 9 in. The length of segment PQ is half the length of segment QR . Segment QR is 4 in. long. Find the length of segment RS .



- If $\frac{1}{3}$ of the 24 students were girls, how many **more** boys were in the class?
- Write 10% as a reduced fraction.
- Sixteen of the 40 cars on the lot were made before 1992. What percent of the cars on the lot were made before 1992?

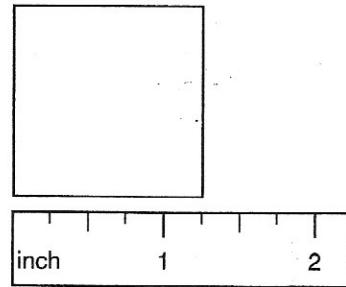
Round each number in problems 7–9 to the nearest whole number:

7. 32.701

8. 4.44

9. $7\frac{4}{9}$

10. What is the perimeter of this square?



11. $14 + 6.82 + 0.927 + 3$

12. $4.6 - 0.46$

13. $7 - 2.91$

14. 2.4×0.3

15.
$$\begin{array}{r} 0.16 \\ \times 0.6 \\ \hline \end{array}$$

16. $2\frac{2}{5} + \left(7 - 3\frac{2}{5}\right)$

Solve and reduce:

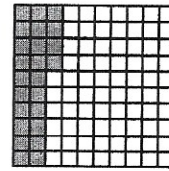
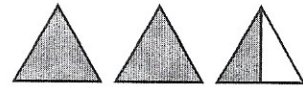
17. $\frac{4}{5} \times \left(5 \times \frac{1}{4}\right)$

18. $2\frac{2}{3} + 2\frac{2}{3}$

19. $\frac{9}{10} \div 3$

20. If 35 of the 140 painters are hungry, then what percent of the painters are hungry?

- Name the number of shaded triangles
 - as an improper fraction.
 - as a mixed number.
- Find the least common multiple (LCM) of 3 and 8.
- What percent of this square is shaded?
 - What percent of this square is not shaded?

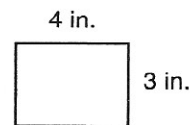


- Write the tally for thirteen.
- Billy answered 4 of the 20 questions incorrectly. What percent of the questions did he answer incorrectly?
- Round 4.39 to the nearest whole number.
- Segment WX is 12 cm long. The length of segment YZ is half the length of segment XY. The length of segment XY is half the length of segment WX. Find the length of segment WZ.

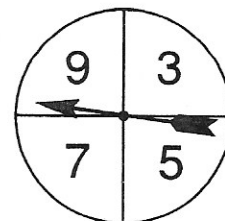


- A liter is 1000 milliliters. How many milliliters is $\frac{2}{5}$ of a liter?
- $0.87 + 3.9 + 15$
- 0.87
 $\times 0.04$
- $3 - 1.29$
- 0.16
 $\times 8$
- 2.189×100
- $13 \overline{)52.65}$
- $2\frac{4}{5} + \left(4 - 1\frac{1}{5}\right)$
- $\frac{3}{7} \times 4$
- $5 - \frac{1}{5}$

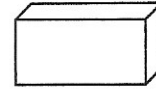
- What is the perimeter of this rectangle?
 - What is the area of this rectangle?



- Compare: $\frac{3}{5} + \left(\frac{4}{5} \times \frac{1}{2}\right) \bigcirc \frac{7}{10} \times \left(\frac{5}{7} + \frac{1}{2}\right)$
- What is the probability that the spinner will stop on the number 7?
 - What is the probability that the spinner will stop on an odd number?

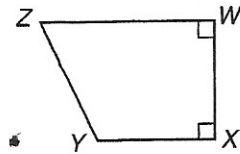


1. A rectangular solid has how many faces?



2. Find the least common multiple of 12 and 16.

3. Which segment in quadrilateral WXYZ is parallel to segment WZ?



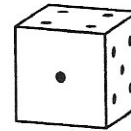
4. Write a reduced fraction equal to 40%.

5. Name the number of shaded pentagons

- (a) as an improper fraction.
(b) as a mixed number.

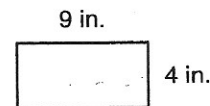


6. What is the probability of rolling the number four with one toss of a number cube?



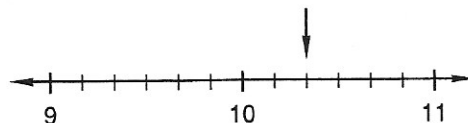
7. A pound is 16 ounces. How many ounces is $\frac{3}{8}$ of a pound?

8. (a) What is the perimeter of this rectangle?
(b) How many square inches is the area of this rectangle?



9. Find the greatest common factor of 9 and 15.

10. The arrow is pointing to what mixed number on this number line?



11. $17 + (9 - 4.7)$

12. 0.03×0.19

13. 1.839×100

14. $\frac{4298}{14}$

15. $0.63 \div 3$

16. $7 \overline{)0.147}$

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

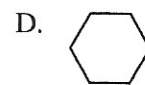
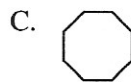
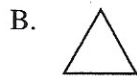
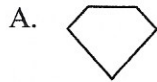
18. $3 \div \frac{1}{3}$

19.
$$\begin{array}{r} 2\frac{2}{3} \\ + 3\frac{1}{6} \\ \hline \end{array}$$

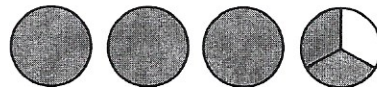
20. $\frac{7}{8} - \frac{3}{4}$

1. Find the average of 8, 10, 7, 11, and 14.
2. If four ice cream cones cost \$2.18, how much would a dozen ice cream cones cost?
3. What is the sum of one eighth and one fourth?
4. If $7b = 21$, then what number is equal to $4b - 3$?

5. Which of these polygons is an octagon?



6. Name the number of shaded circles
(a) as an improper fraction.
(b) as a mixed number.



7. Write 60% as a reduced fraction.

8. $49.23 + 12 + 9.4$

9. $8 - 1.476$

10. 3.1×10

11. $5.6 \div 100$

12. 0.56×0.3

13. $8 \overline{)0.6}$

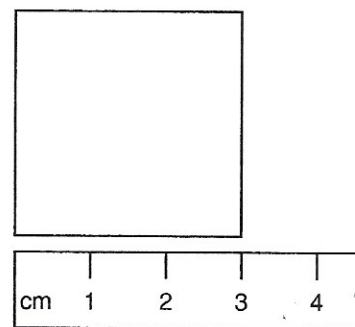
14. $1.9 \div 5$

15. $\frac{5}{6} \div \frac{2}{3}$

16. $\frac{1}{3} - \frac{2}{9}$

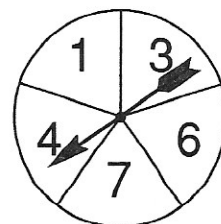
17. $3\frac{1}{5} + 1\frac{1}{3}$

18. (a) What is the perimeter of this square?
(b) What is the area of this square?



19. What percent of the months of the year start with the letters "M" or "N"?

20. (a) What is the probability that the spinner will stop on the number 2?
(b) What is the chance that the spinner will stop on an even number?



Home Study Test 28

SHOW YOUR WORK

Name: _____

Give after Lesson 140 and
Supplemental Practice for Lessons 136 and 137

1. Estimate the sum of 4.27, 6.38, 5.83, and 7.66 by rounding each number to the nearest whole number before adding.

2. Which of these is **not** equal to $\frac{1}{2}$?

A. 0.50

B. $\frac{7}{14}$

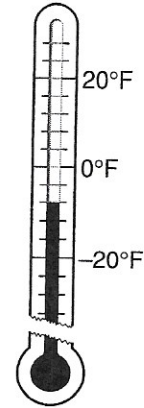
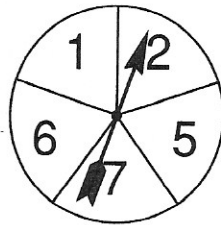
C. 40%

D. $\frac{5}{10}$

3. What is the temperature shown on this thermometer?

4. (a) What is the probability that the spinner will stop on 6?

(b) What is the chance that the spinner will stop on an odd number?



5. What is the average of 13, 10, 9, 6, 5, and 8?

6. (a) What is the perimeter of this square?

(b) What is the area of this square?

30 mm



7. $2 - 7$

8. $3 - 6$

9. What letter names the point at $(-1, -2)$?

10. Write the coordinates of point G.

11. $5.82 + 17 + 0.186 + 13$

12. $10 - (8.69 - 4)$

13. 4.7×12

14. $18 \overline{)534}$

15. $1.7 \div 4$

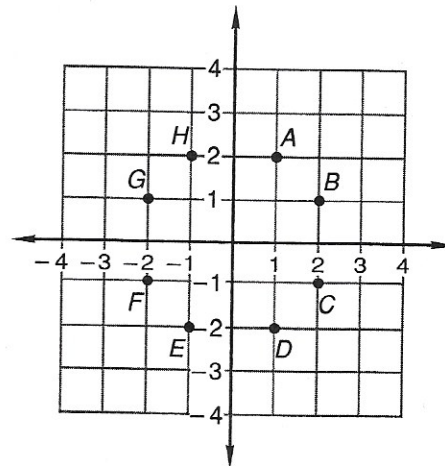
16. $0.3 \overline{)0.48}$

17. $\frac{3}{7} + \frac{1}{2}$

18. $6\frac{1}{3}$
 $- 1\frac{1}{4}$

19. $4 \times \frac{3}{5}$

20. $\frac{5}{6} \div \frac{2}{3}$



Name _____

Test _____

Date _____

Score _____

Show all work on this paper. Do not write on the test.

1.

2.

3.

4.

5.

6.

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8.

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10.

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15.

16.

17.

18.

19.

20.

Name _____

Test _____

Date _____

Score _____

Show **all** work on this paper. Do not write on the test.

