

High School Math © 2007

Test 1

Presentation Book

Textbook

Workbook

Answer Key *with Remedies*

*Don't try to correct it. It would prove you learned the 3 papers about 1900.
 Never mind. I found my mistake.*

EXERCISE 2 MARKING THE TEST

- a. (Collect the papers. Use the Answer Key to score the tests. Award scores as follows:)

TEST 1 PERCENT SUMMARY					
SCORE	%	SCORE	%	SCORE	%
70	99	62	87	55	77
69	97	61	86	54	76
68	96	60	85	53	75
67	94	59	83	52	73
66	93	58	82	51	72
65	92	57	80	50	70
64	90				

- b. (Complete the Test 1 Remedy Summary to determine whether remedies are needed.

Reproducible Summary Sheets are at the back of the Teacher's Guide.)

- (If more than 1/4 of the students did not pass a test part, present the remedy for that part before beginning Lesson 16. Remedies appear at the end of the Test 1 Answer Key.)

~~What to add by presentation and an
 1/2 point for each correct answer.
 (Teacher might think students might
 get a whole new sheet to get a
 point in 100% pt 1 & 2.)~~

Instead of including this loss, why
 not stop teachers to answer test
 location where this is repeated?
 is there a problem... carrying this loss?
 who? don't blame leaving it creates
 a pre blame.

Mastery Test 1— Follows Lesson 15

Note: Exercise 2 provides instructions for making the test.

EXERCISE 1 TEST 1 Workbook and Textbook

Note: Students are to use a calculator only for part 15 of the test.

Calculator

- a. Open your workbook to test 1 at the end of your workbook. Find part 1. ✓
- b. This is a test. You should have only your workbook, textbook, a sharpened pencil, and lined paper.
- c. Work parts 1 through 14. Raise your hand when you've completed part 14.
(Observe students but do not give feedback.)
- (After students complete part 14, permit them to use a calculator to complete part 15. Observe.)

bf

TPB

This TP script comes before TPB 15/16 and after TPB 15/15.

Note: Students are to use a calculator only for part 15 of the test.

you're already stated at top of page -> stop, use calculator for part 15

Mastery Test 1—Follows Lesson 15 Workbook

Part 1

Round each value to the nearest whole number, to the nearest tenth, and to the nearest hundredth.

	whole number	tenths	hundredths
49.1052			
0.251			
9.6958			

Part 2

Write a decimal point to show the correct number of decimal places in the answer. You may have to write one or more zeros.

a.
$$\begin{array}{r} 5.2 \\ \times .03 \\ \hline 156 \end{array}$$

b.
$$\begin{array}{r} 14.2 \\ \times .7 \\ \hline 994 \end{array}$$

c.
$$\begin{array}{r} 2.4 \\ \times .309 \\ \hline 7416 \end{array}$$

d.
$$\begin{array}{r} 7.03 \\ .0091 \\ \hline 63973 \end{array}$$

Part 3

Complete each row to show the equivalent decimal, fraction, and percent.

Decimal	Fraction	Percent
3.15		
	$\frac{7}{100}$	
		40%
		3%
	$\frac{200}{100}$	

This test is continued in the Textbook.

Mastery Test 1—Follows Lesson 15
Textbook

Part 4

Copy and complete each equation to show the equivalent fractions.

a. $6 = \frac{\blacksquare}{4} = \frac{\blacksquare}{7} = \frac{\blacksquare}{5}$

b. $8 = \frac{\blacksquare}{3} = \frac{\blacksquare}{2} = \frac{\blacksquare}{6}$

Part 5

Copy and work each problem.

a. $2 \overline{)739}$

b. $5 \overline{)2015}$

c. $8 \overline{)297}$

d. $7 \overline{)630}$

Part 6

Write the abbreviation for each unit.

a. yard

c. inch

e. kilometer

b. meter

d. mile

f. centimeter

Part 7

Copy and complete each equation to show equivalent fractions.

a. $\frac{2}{5} = \frac{\blacksquare}{30}$

b. $\frac{3}{8} = \frac{21}{\blacksquare}$

c. $\frac{1}{7} = \frac{15}{\blacksquare}$

Part 8

Write each problem in a column and work it.

a. $6.2 - 0.709$

b. $6.75 + 120.3$

c. $7 - 2.18$

d. $14 + 10.8 + 3.93$

Part 9

Copy and complete each equation so it shows an equivalent mixed number.

a. $\frac{25}{4} = \blacksquare$

b. $\frac{41}{7} = \blacksquare$

c. $\frac{67}{10} = \blacksquare$

Mastery Test 1 cont.

Part 10

Copy and complete each equation so it shows a fraction.

a. $4 \frac{5}{9} = \blacksquare$

b. $3 \frac{3}{8} = \blacksquare$

c. $7 \frac{4}{5} = \blacksquare$

Part 11

Work each item.

\$149

TV

\$49.50

calculator

\$114.99

CD player

\$90

camera

- a. Bob went to the store with \$95, and he bought the cell phone. How much money did he have left?
- b. Lisa bought the calculator and the CD player. How much did she spend?
- c. Julio bought the CD player and the camera. He gave the clerk \$200. How much change did he get back?
- d. Rudolph bought one of each item except the CD player. How much did he spend?

Part 12

Copy and work each item.

a. $\frac{12}{4} \times \frac{3}{4} = \blacksquare$

c. $\frac{9}{5} - \frac{6}{5} = \blacksquare$

e. $\frac{5}{12}$

b. $\frac{2}{9} \left(\frac{7}{3} \right) = \blacksquare$

d. $7 \left(\frac{1}{8} \right) = \blacksquare$

$+$ $\frac{6}{12}$

\blacksquare

Part 13

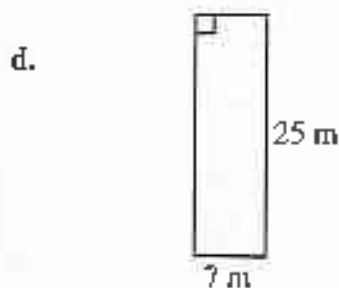
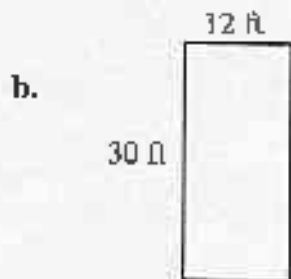
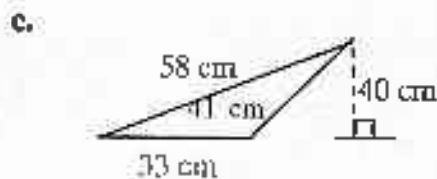
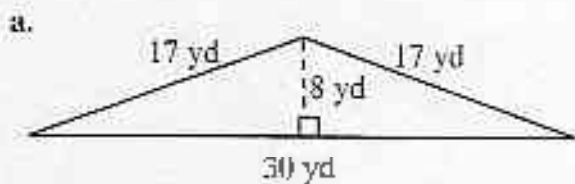
Write each problem in a column and work it.

a. $7.4 \times .002$

b. $96 \times .5$

Mastery Test I cont.

• Use these four figures to work parts 14 and 15.



Part 14

Find the perimeters of figures a, b, c, and d.

Part 15

Find the areas of figures a, b, c, and d.

C
A
L
C

1

~~Score Book~~
((Answer Key Book))
Mastery Test 1—Follows Lesson 15

TEST 1 PERCENT SUMMARY					
SCORE	%	SCORE	%	SCORE	%
71	100	63	89	56	79
70	99	62	87	55	77
69	97	61	86	54	76
68	96	60	85	53	75
67	94	59	83	52	73
66	93	58	82	51	72
65	92	57	80	50	70
64	90				

(Answer Key Book for Test 1
 (Parts 1-3) goes here (p 1)
 followed by key for
 parts 4-15
 (p 2-5), then
 Test 2 Remedies
 (p 6).
 Then repeat
 for Test 2
 p 7-10
 beginning at top
 of next key page.

1-3

TEST 1 SCORING CHART			
Part	Score	Possible Score	Passing Score
1	1 for each item	9	7
2	1 for each item	4	3
3	1 for each item	10	8
4	1 for each fill-in	6	5
5	1 for each item	4	3
6	1 for each item	6	5
7	1 for each item	3	3
8	1 for each item	4	3
9	1 for each item	3	2
10	1 for each item	3	2
11	1 for each item	4	3
12	1 for each item	5	4
13	1 for each item	2	2
14	1 for each perimeter	4	3
15	1 for each area	4	3
TOTAL		71	

ANSWER KEY

(gets reduced to one quadrant)

Page 1 of 32

Mastery Test 1 - Follows Lesson 15 Workbook

It won't be a quadrant in a 3-2-1 format

4 columns over 27



Part 1 Round each value to the nearest whole number, to the nearest tenth, and to the nearest hundredth.

	whole number	tenths	hundredths
49.1052	49	49.1	49.11
0.251	0	0.3	0.25
9.6958	10	9.7	9.70

Part 2 Write a decimal point to show the correct number of decimal places in the answer. You may have to write one or more zeros.

a.
$$\begin{array}{r} 5.2 \\ \times .03 \\ \hline .156 \end{array}$$

b.
$$\begin{array}{r} 14.2 \\ \times .7 \\ \hline 9.94 \end{array}$$

c.
$$\begin{array}{r} 2.4 \\ \times .309 \\ \hline 0.7416 \end{array}$$

$$\begin{array}{r} 7.03 \\ \times .0091 \\ \hline .063973 \end{array}$$

 (cannot dec point and zero)

Part 3 Complete each row to show the equivalent decimal, fraction, and percent.

Decimal	Fraction	Percent
3.15	$\frac{315}{100}$	315%
.07	$\frac{7}{100}$	7%
.40	$\frac{40}{100}$	40%
.03	$\frac{3}{100}$	3%
2.00	$\frac{200}{100}$	200%

ANSWER KEY

Mastery Test 1 Textbook

[Part 4]

a. $6 = \frac{24}{4} = \frac{42}{7} = \frac{30}{5}$

b. $8 = \frac{24}{3} = \frac{16}{2} = \frac{48}{6}$

[Part 5]

a. $2 \overline{) 739} \begin{matrix} 369 \\ \underline{6} \\ 13 \\ \underline{6} \\ 9 \\ \underline{6} \\ 3 \end{matrix}$

c. $8 \overline{) 297} \begin{matrix} 37 \\ \underline{24} \\ 57 \\ \underline{44} \\ 13 \end{matrix}$

b. $5 \overline{) 2015} \begin{matrix} 403 \\ \underline{20} \\ 15 \\ \underline{15} \\ 0 \end{matrix}$

d. $7 \overline{) 630} \begin{matrix} 90 \\ \underline{63} \\ 0 \end{matrix}$

[Part 6]

a. yd
b. m

c. in.
d. mi

e. km
f. cm

[Periods are optional.]

[Part 7]

a. $\frac{2}{5} = \frac{12}{30}$

b. $\frac{3}{8} = \frac{21}{56}$

c. $\frac{1}{7} = \frac{15}{105}$

[Part 8]

a. $6.200 - 0.709 = 5.491$

b. $6.75 + 120.3 = 127.05$

c. $7.00 - 2.18 = 4.82$

d. $14 + 10.8 + 3.93 = 28.73$

[Part 9]

a. $\frac{25}{4} = 6\frac{1}{4}$

b. $\frac{41}{7} = 5\frac{6}{7}$

c. $\frac{67}{10} = 6\frac{7}{10}$

ghost gray $4 \overline{) 25} \begin{matrix} 6 \\ \underline{24} \\ 1 \end{matrix}$

$7 \overline{) 41} \begin{matrix} 5 \\ \underline{35} \\ 6 \end{matrix}$

$10 \overline{) 67} \begin{matrix} 6 \\ \underline{60} \\ 7 \end{matrix}$

Is this necessary? It shows teacher how kids would have got to solve so see if it's necessary.

Mastery Test 1

[Part 10]

Textbook

this summary?
40
ghost
gray

$$a. 4\frac{5}{9} = \boxed{\frac{41}{9}}$$

$$b. 3\frac{3}{8} = \boxed{\frac{27}{8}}$$

$$c. 7\frac{4}{5} = \boxed{\frac{39}{5}}$$

$$\frac{36}{9} + \frac{5}{9} = \frac{41}{9}$$

$$\frac{24}{8} + \frac{3}{8} = \frac{27}{8}$$

$$\frac{35}{5} + \frac{4}{5} = \frac{39}{5}$$

[Part 11]

$$a. \$95.00$$

$$- 49.50$$

$$\boxed{\$45.50}$$

$$b. \$49.50$$

$$114.99$$

$$\boxed{\$164.49}$$

$$c. \$114.99$$

$$+ 90.00$$

$$204.99$$

$$+ \$210.00$$

$$- 204.99$$

$$\boxed{\$5.01}$$

$$d. \$149.00$$

$$49.50$$

$$90.00$$

$$\boxed{\$288.50}$$

[Part 12]

$$a. \frac{12}{4} \times \frac{3}{4} = \boxed{\frac{36}{16}}$$

$$c. \frac{9}{5} - \frac{6}{5} = \boxed{\frac{3}{5}}$$

$$e. \frac{5}{12}$$

$$b. \frac{2}{9} \left(\frac{7}{3}\right) = \boxed{\frac{14}{27}}$$

$$d. 7\left(\frac{1}{8}\right) = \boxed{\frac{7}{8}}$$

$$+ \frac{6}{12}$$

$$12$$

$$\boxed{\frac{11}{12}}$$

$$12$$

[Part 13]

$$a. 7.4$$

$$\times .002$$

$$\boxed{.0148}$$

$$b. 96$$

$$\times .5$$

$$\boxed{48.0}$$

[Part 14]

$$a. P = 17$$

$$17$$

$$+ 30$$

$$\boxed{64 \text{ yd}}$$

$$c. 58$$

$$41$$

$$+ 33$$

$$\boxed{132 \text{ cm}}$$

$$b. 30$$

$$12$$

$$30$$

$$+ 12$$

$$\boxed{84 \text{ ft}}$$

$$d. 25$$

$$7$$

$$25$$

$$+ 7$$

$$\boxed{64 \text{ m}}$$

Addends
can be in
any order.

ANSWER KEY

Mastery Test 1
[Part 15]

Textbook

5

Page 4 of 4

a. $A = \frac{1}{2}(b \times h)$

$A = \frac{1}{2}(30 \times 8)$

$A = \frac{1}{2}(240)$

$\boxed{120 \text{ sq yd}}$

b. $A = b \times h$

$A = 12 \times 30$

$\boxed{360 \text{ sq ft}}$

c. $A = \frac{1}{2}(b \times h)$

$A = \frac{1}{2}(33 \times 40)$

$A = \frac{1}{2}(1320)$

$\boxed{660 \text{ sq cm}}$

d. $A = b \times h$

$A = 7 \times 25$

$\boxed{175 \text{ sq m}}$

Test 1

Chp. 1 see Plus Bk, P. 2, last line

(6)

Note: Provide any remedies for test 1 before beginning lesson 16. If more than 1/4 of the students did not pass a test part, present a remedy for that part. You are granted permission to reproduce the Remedy Summary Sheet and blackline masters (Test 1-BLM 1 and 2) at the back of the Teacher's Guide.

Test 1 Remedies

Test 1-BLM 1 and 2

Test 1	Lesson	Exercise	Textbook Part	Test 1 BLM
Part 1	6	1	1 and 2	-
	7	6	5	-
Part 2	9	2	2 and 3	-
	12	3	1	-
Part 3	13	2	-	Test 1-BLM1
	15	1	-	Test 1-BLM1
Part 4	5	1	1 and 2	-
	9	3	3-4	-
Part 5	4	3	3 and 4	-
	5	2	3 and 4	-
Part 6	2	4	4 and	Test 1-BLM2
Part 7	11	3	2	-
	13	5	3	-
	15	4	2	-
Part 8	5	4	6 and 7	-
Part 9	2	3	3	-
Part 10	11	1	1	-
Part 11	8	1	1	-
Part 12	2	7	-	Test 1-BLM2
	3	5	6 and	Test 1-BLM2
	4	6	9 and 10	-
Part 13	12	3	1, 1	-
	13	6	4	-
Part 14	7	6	10	-
Part 15	11	5	4	-

Backward. Delete? NO

Want numerals aligned @ L or centered?

Replace and's in these sol. w/ comma? NO