

High School Math © 2007

TOSRA
2/3
8/13

Test 2

Presentation Book

Textbook

~~**Workbook**~~

Answer Key *with Remedies*

Mastery Test 2-- Follows Lesson 25

Note: Exercise 2 provides instructions for marking the test

EXERCISE 1 TEST 2 Textbook

Note: Students are not to use a calculator for any part of the test.

- Open your textbook to test 2 at the end of your textbook. Find part 1. ✓
- This is a test. You should have only your textbook, a sharpened pencil, and lined paper.
- Work parts 1 through 9. Raise your hand when you've completed part 9.
(Observe students but do not give feedback.)

Note: Students are not to use a calculator for any part of the test.

Use Test 1 Comments

*This TP script comes before
70815 26 and after 65 25*

EXERCISE 2 MARKING THE TEST

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

TEST 2 PERCENT SUMMARY					
SCORE	%	SCORE	%	SCORE	%
33	100	29	88	25	76
32	97	28	85	24	73
31	94	27	82	23	70
30	91	26	79		

- b. (Complete the Test 2 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 26. Remedies appear at the end of the Test 2 Answer Key.)

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Mastery Test 2—Follows Lesson 25

Textbook

Part 1

Copy and complete each equation.

a. $15 \left(\frac{\square}{\square} \right) = 9$

b. $8 \left(\frac{\square}{\square} \right) = 3c$

c. $p \left(\frac{\square}{\square} \right) = n$

d. $57 \left(\frac{\square}{\square} \right) = 6$

Part 2

Write the division problem for each fraction. Write the answer as a whole number or mixed number.

a. $\frac{17}{3} = \square$

b. $\frac{36}{9} = \square$

c. $\frac{27}{24} = \square$

d. $\frac{85}{5} = \square$

Part 3

For each item, write a simple equation to show what each letter equals.

a. $6 \left(\frac{9}{11} \right) = j$

b. $4(25) = q$

c. $5 \left(\frac{1}{3} \right) = w$

Part 4

Refer to the following numbers for each item.

45 130 34 180 471

- Write the numbers that are divisible by 2.
- Write the numbers that are divisible by 3.
- Write the numbers that are divisible by 10.
- Write the numbers that are divisible by 5.

Part 5

Copy each equation. Figure out what each letter equals, and write the simple equation.

a. $11(q) = 45$

b. $8(z) = 1$

c. $24(j) = 7$

Mastery Test 2 cont.

Part 6

Write the complete letter equation for each question.

- In 10 seconds, how many pages will be printed?
- How many players are in 8 teams?
- How many birds are in 9 cages?
- If there are 52 cards, how many red cards are there?

Part 7

Copy each problem. Figure out what each letter equals.

a. $150 = r + 120$

b. $f - \frac{3}{4} = \frac{12}{4}$

c. $5.7 + m = 17$

d. $20 = j - 11$

Part 8

Simplify each fraction.

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

b. $\frac{25}{75}$

c. $\frac{60}{80}$

d. $\frac{51}{15}$

Part 9

Write the complete equation for each item.

a. $\blacksquare \left(\frac{4}{17} \right) = \blacksquare$

b. $\blacksquare \left(\frac{11}{13} \right) = \blacksquare$

c. $\blacksquare \left(\frac{r}{p} \right) = \blacksquare$

((Answer Key Book)) Mastery Test 2—Follows Lesson 25

TEST 1 PERCENT SUMMARY					
SCORE	%	SCORE	%	SCORE	%
33	100	29	88	25	76
32	97	28	85	24	73
31	94	27	82	23	70
30	91	26	79		

TEST 2 SCORING CHART			
Part	Score	Possible Score	Passing Score
1	1 for each item	4	3
2	1 for each item	4	3
3	1 for each item	3	3
4	1 for each item	4	3
5	1 for each item	3	3
6	1 for each item	4	3
7	1 for each item	4	3
8	1 for each item	4	3
9	1 for each item	3	3
TOTAL		33	33 (33/33)

ANSWER KEY

8 Page/total

Mastery Test 2

[Part 1]

a. $15\left(\frac{9}{15}\right) = 9$

c. $p\left(\frac{n}{p}\right) = n$

b. $8\left(\frac{3c}{8}\right) = 3c$

d. $57\left(\frac{6}{57}\right) = 6$

[Part 2]

$3 \overline{) 17} \begin{array}{r} 5 \\ \underline{15} \\ 2 \end{array}$

$9 \overline{) 36} \begin{array}{r} 4 \\ \underline{36} \\ 0 \end{array}$

$24 \overline{) 27} \begin{array}{r} 1 \\ \underline{24} \\ 3 \end{array}$

$5 \overline{) 85} \begin{array}{r} 17 \\ \underline{85} \\ 0 \end{array}$

a. $\frac{17}{3} = \boxed{5 \frac{2}{3}}$

b. $\frac{36}{9} = \boxed{4}$

c. $\frac{27}{24} = \boxed{\frac{3}{24}}$

d. $\frac{85}{5} = \boxed{17}$

[Accept $1 \frac{1}{8}$]

[Part 3]

a. $6\left(\frac{9}{11}\right) = j$

b. $4(25) = q$

c. $5\left(\frac{1}{3}\right) = w$

$\boxed{\frac{54}{11} = j}$

$\boxed{100 = q}$

$\boxed{\frac{5}{3} = w}$

[Part 4]

a. 130, 34, 180

b. 45, 180, 471

c. 130, 180

d. 45, 130, 180

[Part 5]

a. $11(q) = 45$

$11\left(\frac{45}{11}\right) = 45$

$\boxed{q = \frac{45}{11}}$

b. $8(z) = 1$

$8\left(\frac{1}{8}\right) = 1$

$\boxed{z = \frac{1}{8}}$

c. $24(j) = 7$

$24\left(\frac{7}{24}\right) = 7$

$\boxed{j = \frac{7}{24}}$

[Part 5]

~~a. $18 - f = \boxed{18 - f}$~~

~~a. $18 - f = \boxed{f + 18}$~~

~~b. $p + 7 = \boxed{7 + p}$~~

~~c. $41 + q = \boxed{q + 41}$~~

~~d. $r - 13 = \boxed{r - 13}$~~

~~e. $9 + n = \boxed{n + 9}$~~

~~f. $j - 100 = \boxed{100 + j}$~~

ANSWER KEY

(9) Page 2 of 2

Mastery Test 2

~~[Part 7]~~

~~a. $\frac{p}{5} = \frac{p}{5}$~~

~~b. $\frac{(?)}{t} = \frac{(?)}{8}$~~

~~c. $\frac{b}{c} = \frac{b}{9}$~~

~~d. $\frac{r}{d} = \frac{r}{3}$~~

[Part 6]

a. $s \left(\frac{p}{6} \right) = p$

b. $t \left(\frac{p}{t} \right) = p$

c. $c \left(\frac{b}{c} \right) = b$

d. $c \left(\frac{rc}{c} \right) = rc$

[Part 7]

a. $150 = r + 120$
 $\quad -120 \quad -120$

$\boxed{30 = r}$

c. $5.7 + m = 17.0$
 $\quad -5.7 \quad -5.7$

$\boxed{m = 11.3}$

b. $f - \frac{3}{4} = \frac{12}{4}$
 $\quad + \frac{3}{4} \quad + \frac{3}{4}$

$\boxed{f = \frac{15}{4}}$

d. $20 = j - 11$
 $\quad + 11 \quad + 11$

$\boxed{31 = j}$

[Part 8]

a. $\frac{24}{8} = \boxed{3}$ b. $\frac{25}{75} = \boxed{\frac{1}{3}}$ c. $\frac{68}{88} = \boxed{\frac{3}{4}}$ d. $\frac{51}{15} = \boxed{\frac{17}{5}}$ (simplify)

[Part 9]

a. $17 \left(\frac{4}{17} \right) = \boxed{4}$ b. $13 \left(\frac{11}{13} \right) = \boxed{11}$ c. $p \left(\frac{t}{p} \right) = \boxed{t}$

See comments for Test 1.

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Test 2

2

Note: Provide any remedies for test 1 before beginning lesson 26. 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 2- BLM 1 and 2 at the back of the Teacher's Guide.

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Test 2 Remedies

Test 1	Lesson	Exercise	Textbook Part	Test 2 BLM
Part 1	17	4	4	-
Part 2	18	2	2, 3	-
Part 3	18	4	5 (Part 4 is optional)	-
Part 4	16	2	2	-
	19	6	5, 6, 7	-
Part 5	18	4	4 (Part 5 is optional)	-
Part 6	20	4	5	-
	21	3	2	-
Part 7	20	1	-	Test 2-BLM 2
Part 8	22	5	6	-
Part 9	20	2	1 and 2	-

alternate screens
see below
fix screens

fix

2
5 (Part 4 is optional)
2
5, 6, 7
4 (Part 5 is optional)
5
2
-
6
1 and 2

Test 2 BLM