Name Key

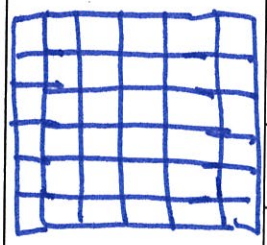
Test 4B Score

4B

Answer Form **C**

Cumulative Test Solutions

MORE ON THE BACK →

1.	2.	3.	4.	1.	1932
				2.	140 bushels
				3.	$33\frac{1}{3}\%$
				4.	$\frac{1}{3}$
5.	6.	7.	8.	5.	nine hundred twenty-six million
				6.	a) = b) Assoc. Prop +
				7.	$7-10=-3$
				8.	a) 24 cm b) 32 cm^2
9. a) $5\frac{3}{4}$ b) $\frac{4}{7}$	10.	11.	12. 	9.	a) $5\frac{3}{4}$ b) $4/7$
				10.	$\frac{5}{6}$
				11.	a = 50 b = 20
				12.	see 12
13.	14.	15.	16.	13.	k = 2,628
				14.	m = \$1.34
				15.	$c = \frac{7}{4}$
				16.	$1\frac{4}{5}$
17.	18.	19.	20.	17.	$\frac{1}{5}$
				18.	$\frac{4}{9}$
				19.	12
				20.	288

MORE ON THE BACK →

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Name _____ Time _____

Power-Up Test 4

Math Course 2

Facts Reduce each fraction to lowest terms.

$\frac{50}{100} = \frac{1}{2}$	$\frac{4}{16} = \frac{1}{4}$	$\frac{6}{8} = \frac{3}{4}$	$\frac{8}{12} = \frac{2}{3}$	$\frac{10}{100} = \frac{1}{10}$
$\frac{8}{16} = \frac{1}{2}$	$\frac{20}{100} = \frac{1}{5}$	$\frac{3}{12} = \frac{1}{4}$	$\frac{60}{100} = \frac{3}{5}$	$\frac{9}{12} = \frac{3}{4}$
$\frac{6}{9} = \frac{2}{3}$	$\frac{90}{100} = \frac{9}{10}$	$\frac{5}{10} = \frac{1}{2}$	$\frac{12}{16} = \frac{3}{4}$	$\frac{25}{100} = \frac{1}{4}$
$\frac{4}{10} = \frac{2}{5}$	$\frac{4}{6} = \frac{2}{3}$	$\frac{75}{100} = \frac{3}{4}$	$\frac{4}{12} = \frac{1}{3}$	$\frac{6}{10} = \frac{3}{5}$

Name Key

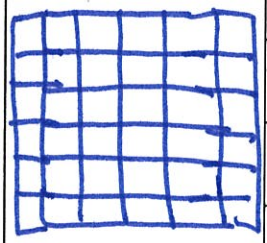
Test 4B Score

4B

Answer Form **c**

Cumulative Test Solutions

MORE ON THE BACK →

1.	2.	3.	4.	1.	1932
				2.	140 bushels
				3.	$33\frac{1}{3}\%$
				4.	$\frac{1}{3}$
5.	6.	7.	8.	5.	nine hundred twenty-six million
				6.	a) = b) Assoc. Prop +
				7.	$7-10=-3$
				8.	a) 24 cm b) 32 cm^2
9. a) $5\frac{3}{4}$ b) $\frac{4}{7}$	10.	11.	12. 	9.	a) $5\frac{3}{4}$ b) $4/7$
				10.	$\frac{5}{6}$
				11.	a = 50 b = 20
				12.	See 12
13.	14.	15.	16.	13.	K = 2,628
				14.	m = \$1.34
				15.	$C = \frac{7}{4}$
				16.	$1\frac{4}{5}$
17.	18.	19.	20.	17.	$\frac{1}{5}$
				18.	$\frac{4}{9}$
				19.	12
				20.	288

MORE ON THE BACK →

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Name _____ Time _____

Power-Up Test 4

Math Course 2

Facts Reduce each fraction to lowest terms.

$\frac{50}{100} = \frac{1}{2}$	$\frac{4}{16} = \frac{1}{4}$	$\frac{6}{8} = \frac{3}{4}$	$\frac{8}{12} = \frac{2}{3}$	$\frac{10}{100} = \frac{1}{10}$
$\frac{8}{16} = \frac{1}{2}$	$\frac{20}{100} = \frac{1}{5}$	$\frac{3}{12} = \frac{1}{4}$	$\frac{60}{100} = \frac{3}{5}$	$\frac{9}{12} = \frac{3}{4}$
$\frac{6}{9} = \frac{2}{3}$	$\frac{90}{100} = \frac{9}{10}$	$\frac{5}{10} = \frac{1}{2}$	$\frac{12}{16} = \frac{3}{4}$	$\frac{25}{100} = \frac{1}{4}$
$\frac{4}{10} = \frac{2}{5}$	$\frac{4}{6} = \frac{2}{3}$	$\frac{75}{100} = \frac{3}{4}$	$\frac{4}{12} = \frac{1}{3}$	$\frac{6}{10} = \frac{3}{5}$

Test 4 Form B Date _____ Score _____ Name Key

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

1.

1 9 10
2 0 0 7
- 7 5
1 9 3 2

1932

2.

grain / acre

140
50) 7000
50
200

140 bushels

3.

3 ft = 1 yd

1 foot / 3 feet = 1/3

33 1/3 %

4.

2/6 =

1/3

5.

9 9 10
1,000,000,000
- 74,000,000
926,000,000

Nine hundred twenty six million

6.

(1/6 + 2/6) + 3/6 ( ) 1/6 + (2/6 + 3/6)

3/6 + 3/6 1/6 + 5/6

6/6 = 6/6

a =
b. Assoc. +

7.

7 - 10 = -3

8.

a. P = 2(4cm) + 2(8cm)
P = 8cm + 16cm = 24cm
b. A = 4cm · 8cm
32 cm²

a = 24cm
b = 32cm²

9.

5 6/24 = 5 3/4

3/12/21 = 4/7

a. 5 3/4
b. 4/7

10.

12 / 3 = 5/3 × 1/2 = 5/6

5/6

4B

11.

$\frac{5 \times 6}{6 \times 6} \quad \frac{30}{36}$

$\frac{5 \times 4}{9 \times 4} = \frac{20}{36}$

a = 30

b = 20

12.

13.

3791 − K = 1169

$$\begin{array}{r} 3\,7\,\overset{8}{\cancel{9}}\,\overset{1}{\cancel{1}} \\ -\ 1\,1\,6\,9 \\ \hline 2\,6\,2\,8 \end{array}$$

K = 2,628

14.

30m = $40.20

$$\begin{array}{r} 1.34 \\ 30\overline{)40.20} \\ 30 \\ \hline 102 \\ 90 \\ \hline 120 \end{array}$$

m = $1.34

15.

A $\frac{9}{4} = 2\frac{1}{4}$

B $\frac{2}{8} = 2\frac{1}{4}$

C $\frac{7}{4} = 1\frac{3}{4}$

D $= \frac{18}{8} = 2\frac{1}{4}$

C $\frac{7}{4}$

16.

$\frac{3}{5} + \frac{3}{5} + \frac{3}{5} = \frac{9}{5} = 1\frac{4}{5}$

$1\frac{4}{5}$

17.

$\frac{9}{10} - \frac{7}{10} = \frac{2}{10} = \frac{1}{5}$

$\frac{1}{5}$

18.

$\left(\frac{2}{3}\right)^2 = \frac{2}{3} \cdot \frac{2}{3} = \frac{4}{9}$

$\frac{4}{9}$

19.

$\sqrt{144} = \sqrt{12 \cdot 12}$

12

20.

12(11 + 13)

12(24)

$$\begin{array}{r} 24 \\ \times 12 \\ \hline 48 \\ 240 \\ \hline 288 \end{array}$$

288

Name _____

Score _____

Cumulative Test 4B

Math Course 2

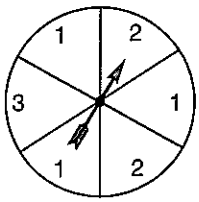
*Also take **Power-Up Test 4***

1. (12) Great-Grandma celebrated her seventy-fifth birthday in 2007. In what year was she born?

2. (13) The farmer harvested 7000 bushels of grain from 50 acres. The crop produced an average of how many bushels of grain for each acre?

3. (8, 16) One foot is what percent of one yard?

4. (14, 15) What is the probability the spinner will stop on 2?



5. (5, 12) Seventy-four million is how much less than one billion? Use words to write the answer.

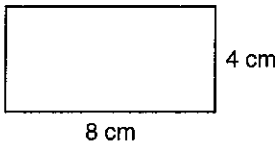
6. (2, 9) **a.** Compare:

$$\left(\frac{1}{6} + \frac{2}{6}\right) + \frac{3}{6} \bigcirc \frac{1}{6} + \left(\frac{2}{6} + \frac{3}{6}\right)$$

b. What property is illustrated by this comparison?

7. (4) Use digits and symbols to write "Seven minus ten equals negative three."

8. (19, 20)



a. Find the perimeter of this rectangle.

b. Find the area of this rectangle.

9. (15) Reduce:

a. $5\frac{18}{24}$

b. $\frac{12}{21}$

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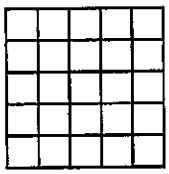
10. (9, 10) Write $1\frac{2}{3}$ as an improper fraction, and multiply the improper fraction by $\frac{1}{2}$.

11. (15) Complete each equivalent fraction.

a. $\frac{5}{6} = \frac{?}{36}$

b. $\frac{5}{9} = \frac{?}{36}$

12. (20) The square illustrates that 5^2 is 25 and that $\sqrt{25}$ is 5. Draw a figure that illustrates that 6^2 is 36 and that $\sqrt{36}$ is 6.



Find each missing number for 13–14.

13. (3) $3797 - k = 1169$

14. (3) $30m = \$40.20$

15. (15) Which of the following does not equal $2\frac{1}{4}$?

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

B. $2\frac{2}{8}$

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

D. $\frac{18}{8}$

Simplify 16–20.

16. (9) $\frac{3}{5} + \frac{3}{5} + \frac{3}{5}$

17. (9) $\frac{9}{10} - \frac{7}{10}$

18. (9, 20) $\left(\frac{2}{3}\right)^2$

19. (20) $\sqrt{144}$

20. (2) $12(11 + 13)$

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