



Benchmark and progress monitoring system for grades K–8

Revised Math Computation (M–COMP) for grades 1–8

AIMSweb, the leading assessment and data management system for Response to Intervention (RTI) implementation, is introducing a series of revised math computation assessments this coming fall 2010 called M–COMP. This revision of the current collection of math computation probes for grades 1–8 now becomes a single series replacing M–CBM, M–CBM2, M–CBMAP and Math Facts. M–COMP is consistent with the new AIMSweb M–CAP (Math Concepts and Applications) in terms of format, number of benchmark and progress monitoring probes per grade, scoring rules, and reporting. M–COMP will be used for universal screening and progress monitoring, and will replace M–CBM assessments completely by the start of the 2011–2012 school year.

The benefits of M–COMP include:

- Enhanced content to increase depth of information and to align more closely with NCTM standards
- Three benchmark probes and 30 progress monitoring probes, with fewer, but more targeted items than M–CBM
- Updated and streamlined scoring rules and new reporting
- Enhanced, student-friendly format
- Scores equated to M–CBM to support longitudinal data (for current M–CBM users)
- A new Administration, Scoring and Technical Manual

Domains Assessed by Grade

Domain	Grade							
	1	2	3	4	5	6	7	8
Size of Numbers	•	•						
Column Addition	•	•	•					
Basic Facts	•	•	•	•	•	•		
Complex Computation	•	•	•	•	•	•	•	
Decimals				•	•	•	•	•
Fractions				•	•	•	•	•
Conversions					•	•	•	•
Percentages					•	•	•	•
Integers						•	•	•
Expressions						•		
Reductions						•	•	
Equations							•	•
Exponents							•	•

For more information about M–COMP, write AIMSwebsales@Pearson.com or contact your local sales consultant

More about AIMSweb®

AIMSweb is an assessment system that serves as the framework for any Response to Intervention (RTI) program and tiered instruction. This proven web-based tool enables personalized learning by providing multiple Curriculum Based Measurement (CBM) assessments for universal screening and progress monitoring and web-based management, charting, and reporting. Designed for use with students in grades K–8, the system confidently and efficiently helps you evaluate early literacy, reading, and math skills—and coming fall 2010, behavior.

Quick and easy assessment

Downloadable assessments are included with AIMSweb. Depending on which subscription you choose, these assessments include early literacy, reading, language arts, and math for grades K–8. Spanish versions are also available for early literacy and reading. Up to 33 alternative forms are included for each probe to enable frequent progress monitoring.

These CBM-based probes are quick and easy to administer and score. Most probes can be administered in 1–4 minutes, and many are group-administered. Based on years of research, CBM has been proven to yield accurate, efficient indicators of student achievement. AIMSweb CBM-based assessments are valid and reliable, and sensitive enough to measure student performance.

Flexible reporting and data management

The AIMSweb online data management system enables you to create a wide array of reports at a variety of levels.

Reporting features include:

- Student, classroom, grade, school, district, state, and national level reports
- Multi-year comparisons
- Comparisons of scores from school-to-school by grade
- Data on district-wide improvement across years
- NCLB data disaggregation, including service code, ELL/ESL, meal status, and ethnicity
- Status reports for administrators

AIMSweb Subscription Options

AIMSweb subscriptions come with a broad selection of assessments in reading, language and math for grades K–8.

	Content Areas	Assessments	Grade Level																		
			K	1	2	3	4	5	6	7	8										
AIMSweb Pro Complete	AIMSweb Language Arts	AIMSweb Reading	Initial Sounds Fluency	X	X																
			Letter Naming Fluency	X	X																
			Early Literacy	Letter Sound Fluency	X	X															
			Phonemic Segmentation Fluency	X	X																
			Nonsense Word Fluency	X	X																
		MIDE (Spanish Early Literacy)	Letter Naming Fluency	X	X																
		Syllable Segmentation Fluency	X	X																	
		Letter Sound Fluency	X	X																	
		Syllable Reading Fluency	X	X																	
		Syllable/Word Spelling	X	X																	
	Reading	Reading CBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
	MAZE - Comprehension	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
	Reading - Spanish*	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
	Spelling	Spelling CBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
	Writing	Written Expression CBM	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
AIMSweb Math	Early Numeracy	Oral Counting	X	X																	
		Number Identification	X	X																	
		Quantity Discrimination	X	X																	
		Missing Number	X	X																	
	M-COMP	Computation <i>Revised for Fall 2010</i>	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		
	M-CAP	Concepts & Applications	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X	X		

For additional sample probes and information about M-COMP, visit AIMSweb.com

Student:

Teacher:

Date:

1

$$\begin{array}{r} 2 \\ + 3 \\ \hline \end{array}$$

2

$$\begin{array}{r} 12 \\ + 6 \\ \hline \end{array}$$

3

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

4

$14 + 5 =$

5

$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

6

$12 - 2 =$

7

$$\begin{array}{r} 9 \\ \times 3 \\ \hline \end{array}$$

8

$$\begin{array}{r} 17 \\ + 10 \\ \hline \end{array}$$

9

$$\begin{array}{r} 18 \\ + 15 \\ \hline \end{array}$$

10

$$\begin{array}{r} 2 \\ \times 3 \\ \hline \end{array}$$

11

$$\begin{array}{r} 12 \\ - 5 \\ \hline \end{array}$$

12

$$\begin{array}{r} 7 \\ \times 5 \\ \hline \end{array}$$

13

$$\begin{array}{r} 19 \\ + 13 \\ \hline \end{array}$$

14

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

15

$$\begin{array}{r} 80 \\ - 60 \\ \hline \end{array}$$

16

$$\begin{array}{r} 88 \\ + 74 \\ \hline \end{array}$$

17

$$\begin{array}{r} 13 \\ - 10 \\ \hline \end{array}$$

18

$5 \overline{)5}$

19

$4 \overline{)40}$

20

$$\begin{array}{r} 19 \\ - 12 \\ \hline \end{array}$$

Student:

Teacher:

Date:

21

$$\begin{array}{r} 3 \\ \times 8 \\ \hline \end{array}$$

22

$$2 \overline{)40}$$

23

$$\begin{array}{r} 6 \\ \times 7 \\ \hline \end{array}$$

24

$$\begin{array}{r} 259 \\ 120 \\ + 230 \\ \hline \end{array}$$

25

$$\begin{array}{r} 16 \\ - 15 \\ \hline \end{array}$$

26

$$\begin{array}{r} 95 \\ - 57 \\ \hline \end{array}$$

27

$$\begin{array}{r} 4 \\ \times 5 \\ \hline \end{array}$$

28

$$9 \overline{)18}$$

29

$$\begin{array}{r} 416 \\ + 34 \\ \hline \end{array}$$

30

$$\begin{array}{r} 665 \\ - 32 \\ \hline \end{array}$$

31

$$\begin{array}{r} 6 \\ 70 \\ + 3 \\ \hline \end{array}$$

32

$$\begin{array}{r} 134 \\ - 15 \\ \hline \end{array}$$

33

$$\begin{array}{r} 1 \\ 7 \\ + 9 \\ \hline \end{array}$$

34

$$\begin{array}{r} 374 \\ + 123 \\ \hline \end{array}$$

35

$$\begin{array}{r} 10 \\ \times 3 \\ \hline \end{array}$$

36

$$\begin{array}{r} 229 \\ - 131 \\ \hline \end{array}$$

37

$$\begin{array}{r} 534 \\ - 401 \\ \hline \end{array}$$

Student:

Teacher:

Date:

1

$$\begin{array}{r} 3.22 \\ + 6.19 \\ \hline \end{array}$$

2

$$\begin{array}{r} 15 \\ \times 5 \\ \hline \end{array}$$

3

Evaluate the expression when x is equal to 6

$$x - 4$$

4

Write the fraction in lowest terms

$$\frac{5}{20} =$$

5

$$\begin{array}{r} 10 \\ \times 19 \\ \hline \end{array}$$

6

Evaluate the expression when x is equal to 4

$$x - 3$$

7

$$\begin{array}{r} 2.56 \\ - 1.49 \\ \hline \end{array}$$

8

$$\begin{array}{r} 18 \\ \times 9 \\ \hline \end{array}$$

9

Evaluate the expression when x is equal to 4

$$x + 7$$

10

Write the fraction in lowest terms

$$\frac{2}{10} =$$

11

Evaluate the expression when x is equal to 8

$$2 + x$$

12

Write the fraction in lowest terms

$$\frac{14}{40} =$$

13

$$\frac{17}{67} + \frac{16}{67} =$$

14

Convert to fraction

$$0.23 =$$

15

$$\frac{19}{23} - \frac{13}{23} =$$

16

Write the fraction in lowest terms

$$\frac{10}{52} =$$

17

$$\frac{23}{71} + \frac{14}{71} =$$

18

$$\begin{array}{r} 340 \\ \times 50 \\ \hline \end{array}$$

19

$$\frac{17}{25} - \frac{15}{25} =$$

20

Convert to decimal

$$\frac{1}{2} =$$

Student:

Teacher:

Date:

21

$$\begin{array}{r} 120 \\ \times 30 \\ \hline \end{array}$$

22

$$\frac{21}{32} + \frac{11}{64} =$$

23

$$0.97 - 0.6 =$$

24

$$14 \overline{)294}$$

25

$$0.37 + 0.4 =$$

26

$$-9 + -1 =$$

27

$$5.31 + 3.7 =$$

28

Convert to decimal

$$\frac{8}{10} =$$

29

$$-5 + 3 =$$

30

$$40\% \text{ of } 90 =$$

31

Convert to fraction

$$0.59 =$$

32

$$5.25 - 2.5 =$$

33

$$55 \overline{)462}$$

34

$$5 + -9 =$$

35

$$-7 - -5 =$$

36

$$2 - -4 =$$

37

$$\begin{array}{r} 0.23 \\ \times 3.2 \\ \hline \end{array}$$

38

$$1.5 \overline{)3.15}$$

39

$$\frac{1}{2} \div \frac{4}{5} =$$

40

$$\frac{7}{11} \times \frac{6}{11} =$$

Student:

Teacher:

Date:

1 $5^2 =$ _____	2 Solve for x $27 + x = 40$ $x =$ _____	3 $-10 \cdot 4 =$ _____	4 $8^3 =$ _____
5 Solve for x $2x = 48$ $x =$ _____	6 $-3 \cdot -6 =$ _____	7 $-27 - 27 + 8 =$ _____	8 Solve for x $x \div 5 = 4$ $x =$ _____
9 Solve for x $7x = 84$ $x =$ _____	10 Solve for x $x - 26 = 9$ $x =$ _____	11 Convert to fraction $0.91 =$ _____	12 $-5 + -7 + -10 =$ _____
13 Convert to decimal $\frac{3}{6} =$ _____	14 Convert to fraction $0.87 =$ _____	15 Write fraction as mixed number $\frac{19}{3} =$ _____	16 $14^2 =$ _____
17 $-13 - -1 - -9 =$ _____	18 Solve for x $65 = 9x + 2$ $x =$ _____	19 Write fraction as mixed number $\frac{8}{5} =$ _____	20 Write the answer in lowest terms $\frac{1}{2} \cdot \frac{3}{8} =$ _____

Student:

Teacher:

Date:

<p>21</p> <p>85% of 80=</p> <p>_____</p>	<p>22 Write the answer in lowest terms</p> $\frac{9}{5} \cdot \frac{7}{11} =$ <p>_____</p>	<p>23 Solve for x</p> $12 = 5x + 2$ <p>x = _____</p>	<p>24</p> <p>20% of 20=</p> <p>_____</p>
<p>25</p> <p>$17^3 =$</p> <p>_____</p>	<p>26</p> <p>125% of 140=</p> <p>_____</p>	<p>27</p> $\begin{array}{r} 1.004 \\ \times 0.13 \\ \hline \end{array}$	<p>28</p> $\begin{array}{r} 1.02 \\ \times 0.5 \\ \hline \end{array}$
<p>29</p> <p>190% of 180=</p> <p>_____</p>	<p>30 Convert to decimal</p> $\frac{15}{24} =$ <p>_____</p>	<p>31 Write the answer in lowest terms</p> $\frac{4}{7} \div \frac{8}{9} =$ <p>_____</p>	<p>32</p> $0.5 \overline{)0.45}$
<p>33 Write the answer in lowest terms</p> $\begin{array}{r} 1 \frac{5}{12} \\ + 2 \frac{2}{12} \\ \hline \end{array}$	<p>34</p> $1.4 \overline{)2.24}$	<p>35 Write the answer in lowest terms</p> $\begin{array}{r} 5 \frac{3}{5} \\ - 4 \frac{1}{15} \\ \hline \end{array}$	<p>36 Solve for x</p> $\frac{x}{2} = 24$ <p>x = _____</p>
<p>37 Write the answer in lowest terms</p> $1 \frac{1}{3} \cdot 1 \frac{3}{4} =$ <p>_____</p>	<p>38 Write the answer in lowest terms</p> $\frac{7}{8} \div \frac{1}{9} =$ <p>_____</p>	<p>39 Write the answer in lowest terms</p> $\begin{array}{r} 6 \frac{3}{4} \\ + 1 \frac{5}{16} \\ \hline \end{array}$	<p>40 Write the answer in lowest terms</p> $\begin{array}{r} 5 \frac{5}{8} \\ - 3 \frac{3}{8} \\ \hline \end{array}$