

2010 MCAS - Alt

Sample Portfolio Strand

Grade: 7

Content Area: Mathematics

**Strand: Number Sense and
Operations**

Learning Standard: 8.N.10



2010 MCAS-Alt
STRAND COVER SHEET
 (A completed Strand Cover Sheet must be included
 with evidence in the strand being assessed.)

Learning Standard based on student's grade

- (1) Student's Name:
 (2) State-Assigned Student Identifier (SASID):
 (3) Grade in which student was reported to Student Information Management System (SIMS): 7
 (4a) Content Area (Subject): **Mathematics**
 (4b) Strand: **Mathematics - Number Sense and Operations**
 (4c) Learning Standard(s): (List learning standards for the grade in which student was reported to SIMS.)
 LS No.: **8.N.10**

Estimate and compute with fractions (including simplification of fractions), integers, decimals, and percents (including those greater than 100 and less than 1).

Level of complexity (Student addresses learning standard(s) in this strand at the following level):

at grade-level expectations through "entry points" through "access skills"

(6) **Measurable outcome:** Indicate in measurable terms the **targeted skill** the student is expected to learn based on the learning standard and level of complexity listed above (for example, "student will identify at least three characters in a story read aloud with 80% accuracy and 100% independence").

Measurable outcome addresses one skill based on an entry point for Mathematics-Standard 8.N.10.

Multiply decimals with 80% accuracy and 100% independence.

(7) Adaptations, accommodations, and/or modifications used by the student during routine instruction in order to perform this skill independently.)

Small group, pull-out instruction, multiplication chart, use of manipulatives, graph paper, and direct instruction.

(8) Primary evidence included in this Strand:

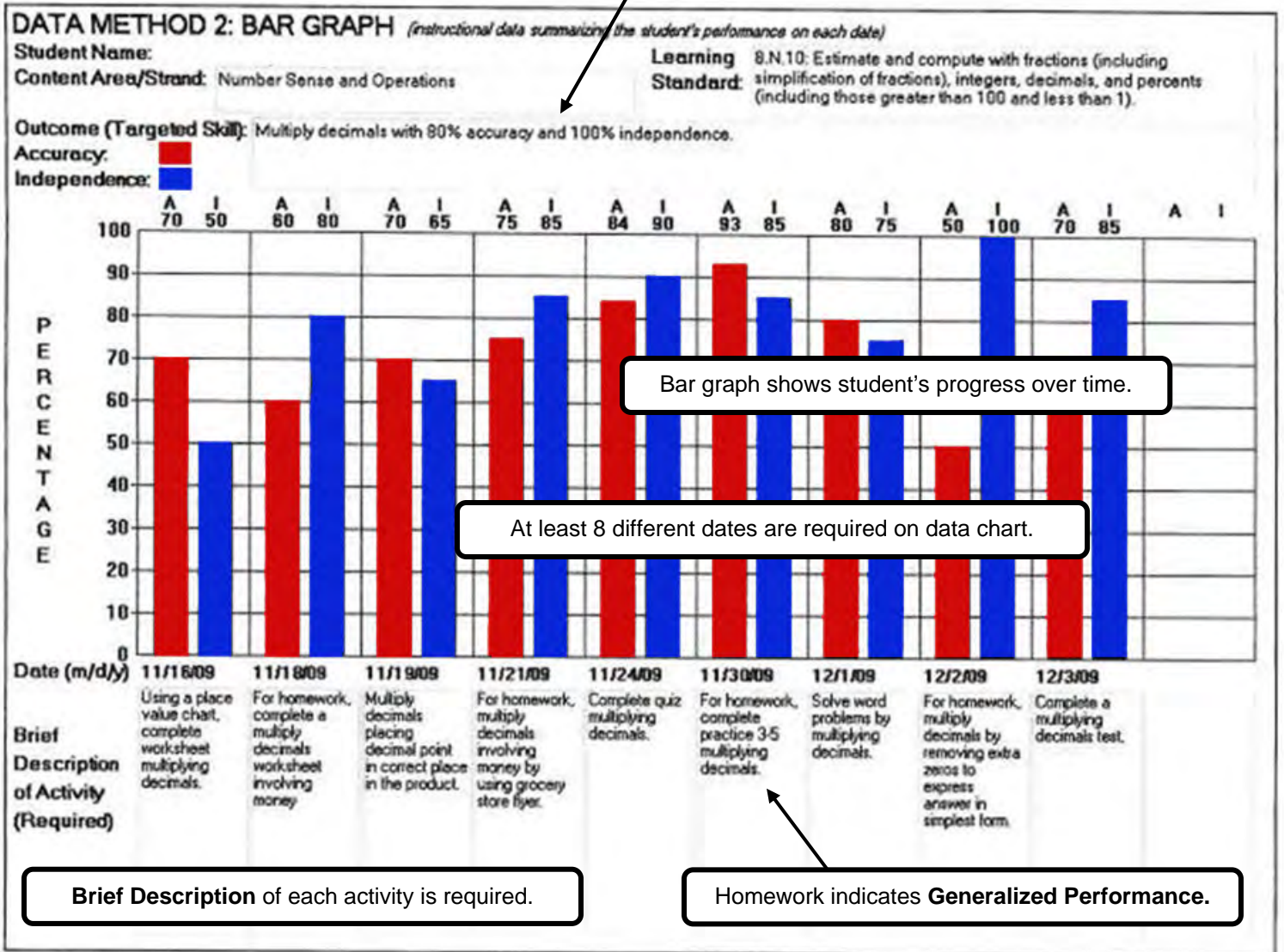
All evidence must be labeled with: student's name; day, month, and year work was completed; % accuracy; and % independence. Write this information on each piece or attach a completed *Work Sample Description*.

Each portfolio strand must include the following evidence at minimum: one data chart and two pieces of primary evidence related to the skill or outcome shown on the data chart, plus additional evidence (at the teacher's discretion) to document the skill, or other skills, in the strand. **Note: Including more than the minimum requirement is strongly encouraged.**

Evidence Page Type	My Description
Bar Graph	Multiply decimals
Work Sample Description	Multiplying decimals quiz
Work Sample Description	3-5 practice sheet
Work Sample Description	Multiply decimals

One data chart (required) that measures student's performance of a single skill.

Outcome is same as outcome listed on Strand Cover Sheet.



Work Sample Description for activity on following page

2010 MCAS-Alt
WORK SAMPLE DESCRIPTION
(Complete and attach one label to each work sample in the portfolio, or write this information directly on each piece. Do not use this label for data charts or videotapes.)

Targeted skill is same as measurable outcome on Strand Cover Sheet and on data chart.

Name:
Date (m/d/y): 11/24/09

Subject: **Mathematics**
Strand: **Number Sense and Operations**
Standard(s): **8.N.10 Estimate and compute with fractions (including simplification of fractions), integers, decimals, and percents (including those greater than 100 and less than 1).**

Accuracy: **84%**

Targeted Skill:
Multiply decimals with 80% accuracy and 100% independence.

Independence: **90%**

Self-Evaluation (Must be completed by, or scribed at the direction of student; stamps and stickers must show evidence of choices made by the student.)

Brief Description of Activity Related to Skill:
Complete quiz multiplying decimals.

Describes what the student was asked to do.

I think it was easy and fun, because I like math.

Self-Evaluation:
Student reflects on his/her performance.

Work Sample #1 addresses same skill listed on Strand Cover Sheet and on data chart.

Work Sample is also included on data chart for 11/24/09

11-24-09

A = 84%
L = 90%

Multiply.

$$\begin{array}{r} 1.7 \\ \times 2 \\ \hline 3.4 \end{array}$$

$$\begin{array}{r} .45 \\ \times 3 \\ \hline 1.35 \end{array}$$

$$\begin{array}{r} 51.3 \\ \times 7 \\ \hline 359.1 \end{array}$$

$$\begin{array}{r} .136 \\ \times 41 \\ \hline .776 \end{array}$$

$$\begin{array}{r} 279 \\ \times 10 \\ \hline 2790 \end{array}$$

$43.79 \times 10 = 437.9$ $43.79 \times 100 = 4379$
 $43.79 \times 1000 = 43790$ $.036 \times 100 = 3.6$

$$\begin{array}{r} .4 \\ \times .3 \\ \hline .12 \end{array}$$

$$\begin{array}{r} 6.43 \\ \times .8 \\ \hline 5.144 \end{array}$$

$$\begin{array}{r} 78 \\ \times .9 \\ \hline 70.2 \end{array}$$

$$\begin{array}{r} 7.2 \\ \times .04 \\ \hline .288 \end{array}$$

$$\begin{array}{r} 3.527 \\ \times 1.2 \\ \hline 7.054 \end{array}$$

$$\begin{array}{r} .107 \\ \times .4 \\ \hline .428 \end{array}$$

$$\begin{array}{r} .36 \\ \times .2 \\ \hline .72 \end{array}$$

$$\begin{array}{r} .0003 \\ \times .03 \\ \hline .0009 \end{array}$$

$8 \times 2.63 = 21.04$

$.407 \times 3 = 1.221$

$52.6 \times 5 = 263.0$

Jose earns \$6.30 per hour. How much does he earn per week if he works 40 hours per week?

$$\begin{array}{r} 6.30 \\ \times 40 \\ \hline 252.00 \end{array}$$

\$ 252.00

Jackie sells apples for \$1.78 per kilogram. How much should Duncan pay for 1.5 kilograms?

$$\begin{array}{r} 1.78 \\ \times 1.5 \\ \hline 890 \\ +1780 \\ \hline 2670 \end{array}$$

Duncan should pay \$ 2670.

Work Sample Description for activity on following page

2010 MCAS-Alt
WORK SAMPLE DESCRIPTION

(Complete and attach one label to each work sample in the portfolio, or write this information directly on each piece. Do not use this label for data charts or videotapes.)

Targeted skill is same as measurable outcome on Strand Cover Sheet and on data chart.

Name:
Date (m/d/y): 11/30/09

Subject: **Mathematics**
Strand: **Number Sense and Operations**
Standard(s): **8.N.10 Estimate and compute with fractions (including simplification of fractions), integers, decimals, and percents (including those greater than 100 and less than 1).**

Accuracy: 93%

Targeted Skill:
Multiply decimals with 80% accuracy and 100% independence.

Independence: 85%

Self-Evaluation (Must be completed by, or scribed at the direction of student; stamps and stickers must show evidence of choices made by the student.)

Brief Description of Activity Related to Skill:
For homework, complete practice 3-5 multiplying decimals.

I ~~think~~ think it was a little hard but I had a lot of help.

Describes what the student was asked to do.

Self-Evaluation:
Student reflects on his/her performance.

Work Sample #2 addresses same skill listed on Strand Cover Sheet and on data chart.

Name _____ Class _____ Date 11/30/09

Practice 2-5 Multiplying Decimals

Use a model, paper and pencil, or a calculator to find each product.

1. 28×6
168

2. $7.3 \cdot 0.9$
6.57

3. $58 \cdot 2.1$
121.8

4. $15(187)$
2805

5. 6.6×25
165

6. $(1.8)(0.7)$
1.26

7. $0.91 \cdot 2.7$
2.457

8. $4.6(3.9)$
17.94

Rewrite each equation with the decimal point in the correct place in the product.

9. $5.6 \times 1.2 = 672$
6.72

10. $3.7 \times 2.4 = 888$
4.88

11. $6.5 \times 2.5 = 1625$
16.25

12. $1.02 \times 6.9 = 7038$
7.038

13. $4.4 \times 6.51 = 28644$
28.644

14. $0.6 \times 9.312 = 55872$
5.5872

Name the property of multiplication shown.

15. $3 \times 4 = 4 \times 3$

16. $9 \times (6 \times 3) = (9 \times 6) \times 3$

17. $2 \times 0 = 0$

18. $10 \times 1 = 10$

Use mental math and the properties of multiplication to find the value of each expression.

19. $0.4 \times 6.71 \times 5$
13.42

20. $8.3 \times 2.1 \times 0 \times 4.6$
0

21. $5.9 \times 0.3 \times 10$
17.7

22. $(5.3 \times 2.5) \times 4$
53

23. $0.3 \times 6.21 \times 10$
18.63

24. $(7.5 \times 9.3) \times 4$
279

Solve.

25. Al's Car Rental charges \$122.50 for a 5-day rental and then \$27.50 for each additional day. Dave's Car Rental charges a flat rate of \$26.25 per day. Which company charges less for a 7-day car rental? 176.25

$$\begin{array}{r} 122.50 \\ 27.50 \\ + 26.25 \\ \hline 176.25 \end{array}$$

26. Anitta works in a department store and earns \$7.60 per hour. Last week she worked 39.5 hours. How much money did she earn for the week? 296.65

Work Sample is also included on data chart for 11/30/09