

**Missouri Assessment Program  
Spring 2006**

**Mathematics**

**Anchor Pages for Released Items**

**Grade 6**

7 Study Figure A and Figure B below.



Figure A

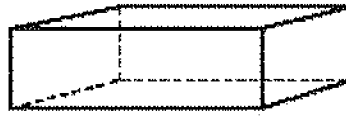


Figure B

In the table below, fill in the correct number of faces, vertices, and edges for Figure A and Figure B.

	Number of Faces	Number of Vertices	Number of Edges
Figure A	5	5	8
Figure B	6	8	12

MAP Operational 2006  
Grade 6 Math  
Session 1 Item 7  
Score Point: 2 ANCHOR

Exemplary response. All six components are correct.

7 Study Figure A and Figure B below.



Figure A

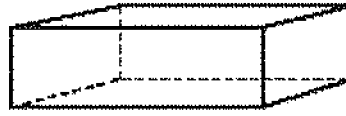


Figure B

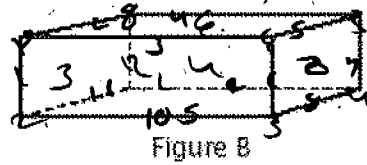
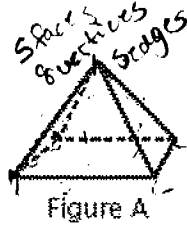
In the table below, fill in the correct number of faces, vertices, and edges for Figure A and Figure B.

	Number of Faces	Number of Vertices	Number of Edges
Figure A	5	4	8
Figure B	6	4	12

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Grade 6 Math  
Session 1 Item 7  
Score Point: 1 ANCHOR

Four components are correct. The number of faces and edges is correct for each figure. The number of vertices is incorrect for each figure.

7 Study Figure A and Figure B below.



In the table below, fill in the correct number of faces, vertices, and edges for Figure A and Figure B.

	Number of Faces	Number of Vertices	Number of Edges
Figure A	5	8	5
Figure B	6	12	8

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 Grade 6 Math  
 Session 1 Item 7  
 Score Point: 0 ANCHOR  
 Only two components are correct.  
 The number of faces is correct for each figure. For both figures the number of vertices and edges are reversed.

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Session 1 Item 14  
Score Point: 2 Anchor

Exemplary response. Both components are correct.

14 Study the figures labeled A and B.

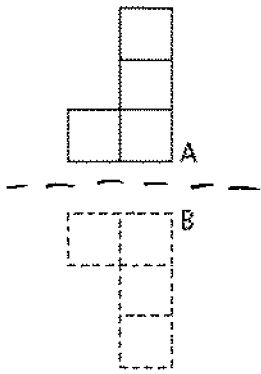


Figure B shows Figure A after 1 transformation. Which transformation was used—a flip, a slide, or a turn? Write your answer on the line.

flip

In the figures above, draw the flip line, slide arrow, or turn point on the figures for the transformation you chose.

MAP Operational 2006  
Grade 6 Math  
Session 1 Item 14  
Score Point: 1 ANCHOR  
One component is correct. Flip on the answer line.  
Student incorrectly drew slide arrows instead of the flip line.

14 Study the figures labeled A and B.

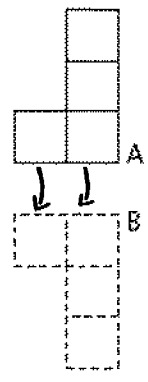


Figure B shows Figure A after 1 transformation. Which transformation was used—a flip, a slide, or a turn? Write your answer on the line.

a flip

In the figures above, draw the flip line, slide arrow, or turn point on the figures for the transformation you chose.

MAP Operational 2006  
Grade 6 Math  
Session 1 Item 14  
Score Point: 0 ANCHOR  
Neither component is correct. Incorrect answer of  
a turn on the answer line. Second component  
incorrectly shows a turn point on Figure A.

14 Study the figures labeled A and B.

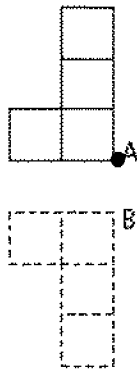


Figure B shows Figure A after 1 transformation. Which transformation was used—a flip, a slide, or a turn? Write your answer on the line.

a turn

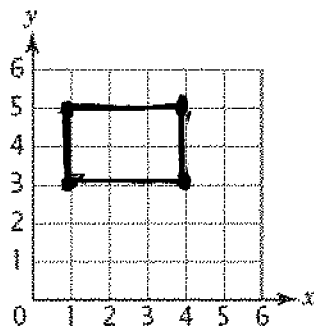
In the figures above, draw the flip line, slide arrow, or turn point on the figures for the transformation you chose.

MAP Operational 2006  
Grade 6 Math  
Session 1 Item 19  
Score Point: 2 ANCHOR  
Exemplary response.  
All four points are plotted correctly  
and identified as a quadrilateral.

19 The table below shows the coordinates for points A, B, C, and D.

Point	A	B	C	D
Coordinates	(1,5)	(1,3)	(4,3)	(4,5)

Locate and label the points A, B, C, and D on the grid below.



Connect the points to create a polygon. On the line below, write the name of the polygon.

quadrilateral

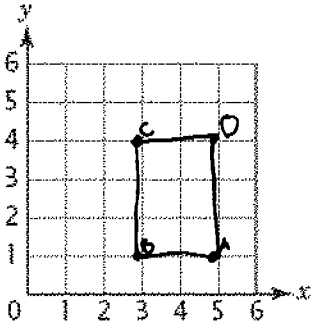


MAP Operational 2006  
 Grade 6 Math  
 Session 1 Item 19  
 Score Point: 1ANCHOR  
 All four points plotted with x and y coordinates reversed. Shape is correctly identified.

19 The table below shows the coordinates for points A, B, C, and D.

Point	A	B	C	D
Coordinates	(1,5)	(1,3)	(4,3)	(4,5)

Locate and label the points A, B, C, and D on the grid below.



Connect the points to create a polygon. On the line below, write the name of the polygon.

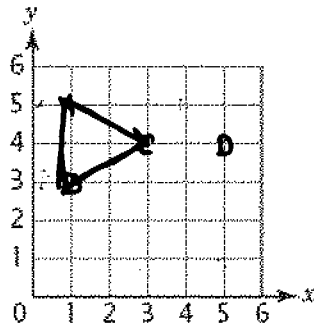
rectangle

MAP Operational 2006  
Grade 6 Math  
Session 1 Item 19  
Score Point: 0 ANCHOR  
Only points A and B are correct.  
Points C and D are incorrect.  
The name of the polygon is incorrect.

19 The table below shows the coordinates for points A, B, C, and D.

Point	A	B	C	D
Coordinates	(1,5)	(1,3)	(4,3)	(4,5)

Locate and label the points A, B, C, and D on the grid below.



Connect the points to create a polygon. On the line below, write the name of the polygon.

Triangle