



**PAWS
Mathematics
Grade 4**

**Released Items
With Data**

2011

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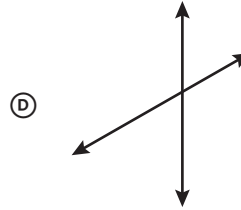
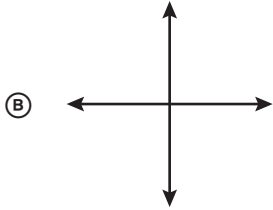
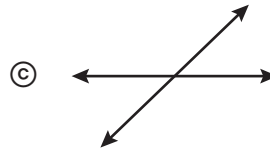
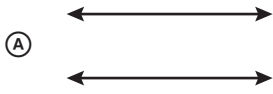
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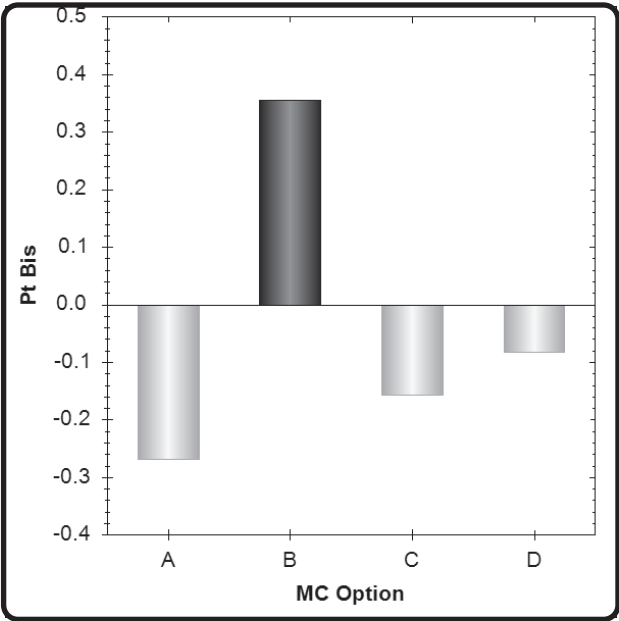
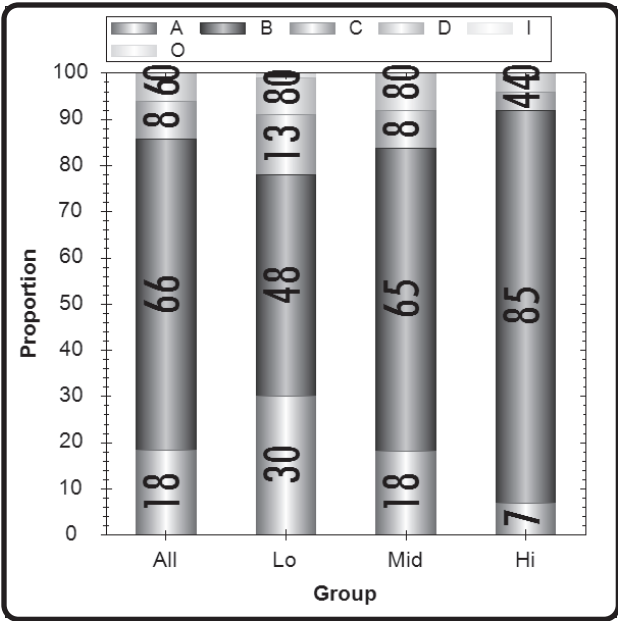
00 Which of the following pictures appears to show two perpendicular lines?



Type	Max Points	Correct Answer	N Count	Item Mean	Discrimination
Multiple Choice	1	B	6366	0.667	0.356

	A	B	C	D	Inv	Omit
All	18	66	8	6	0	0
Low Scorers	30	48	13	8	0	1
Middle Scorers	18	65	8	8	0	0
High Scorers	7	85	4	4	0	0

MC Item Option Discriminations			
A	B	C	D
-0.269	0.356	-0.157	-0.082



Notes:

10000006804

00 John completed a number puzzle in 9 minutes and 53 seconds. Which of the following represents the same amount of time?

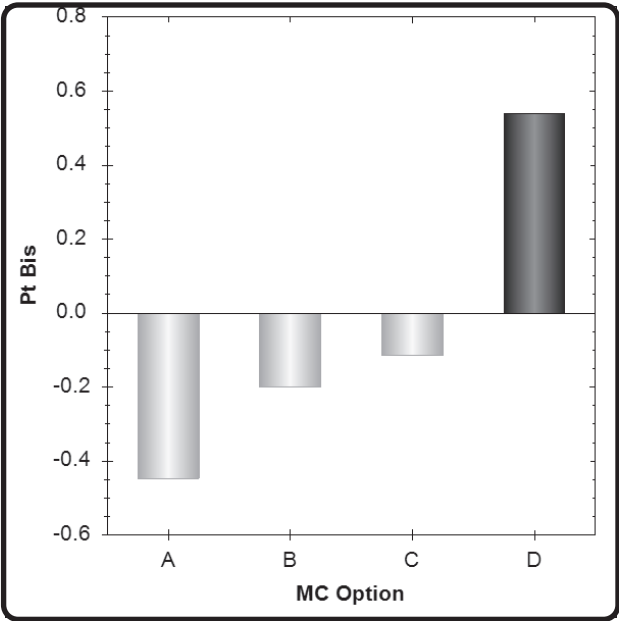
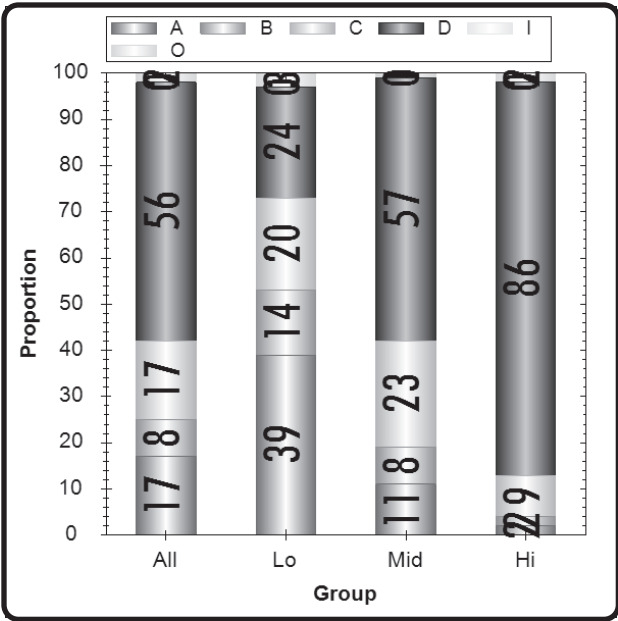
- Ⓐ 62 seconds
- Ⓑ 113 seconds
- Ⓒ 540 seconds
- Ⓓ 593 seconds

Grade 4	Math	CID 10000006804
Item # 47	OP11	4.M.1.b

Type	Max Points	Correct Answer	N Count	Item Mean	Discrimination
Multiple Choice	1	D	6366	0.572	0.540

	A	B	C	D	Inv	Omit
All	17	8	17	56	0	2
Low Scorers	39	14	20	24	0	3
Middle Scorers	11	8	23	57	0	1
High Scorers	2	2	9	86	0	2

A	B	C	D
-0.447	-0.201	-0.113	0.540



Notes:

- 00** Timmy is saving money to buy a new video game. The table below shows the total amount of money in Timmy's coin bank at the end of each week.

Money in Timmy's Coin Bank

Week	Total Savings
1	\$1.00
2	\$3.00
3	\$5.00
4	\$7.00

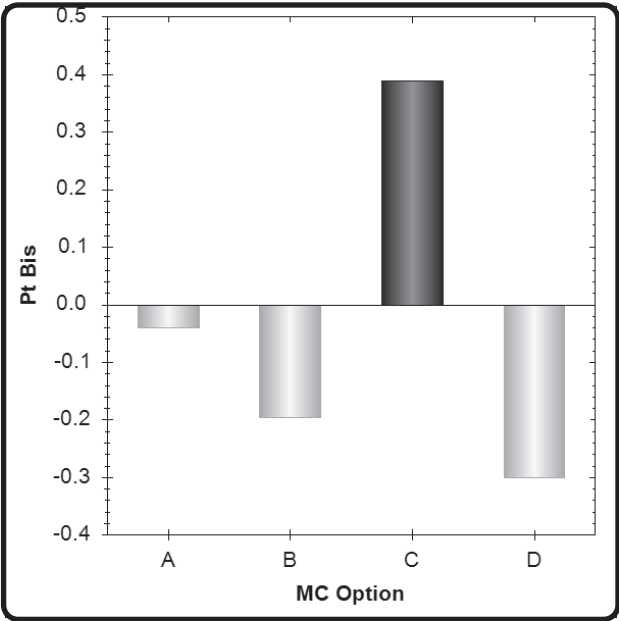
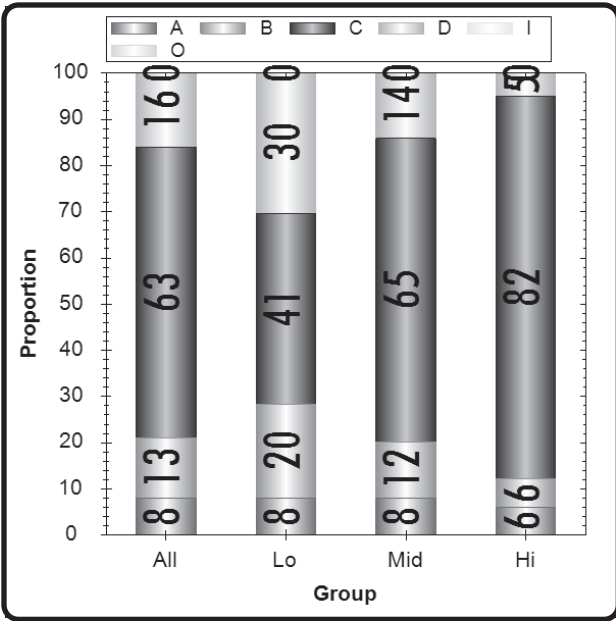
If Timmy puts the same amount of money in his coin bank every week after Week 1, what will be the total amount of savings in his bank at the end of Week 6?

- (A) \$6.00
- (B) \$9.00
- (C) \$11.00
- (D) \$13.00

Type	Max Points	Correct Answer	N Count	Item Mean	Discrimination
Multiple Choice	1	C	6366	0.632	0.389

	A	B	C	D	Inv	Omit
All	8	13	63	16	0	0
Low Scorers	8	20	41	30	0	0
Middle Scorers	8	12	65	14	0	0
High Scorers	6	6	82	5	0	0

MC Item Option Discriminations			
A	B	C	D
-0.041	-0.196	0.389	-0.301



Notes:

00 Kiley filled a bowl with jelly beans. The number of each color of jelly bean in the bowl is shown in the following table.

Jelly Beans in a Bowl

Color	Number
Orange	5
Pink	21
Purple	1
Red	7
Yellow	6

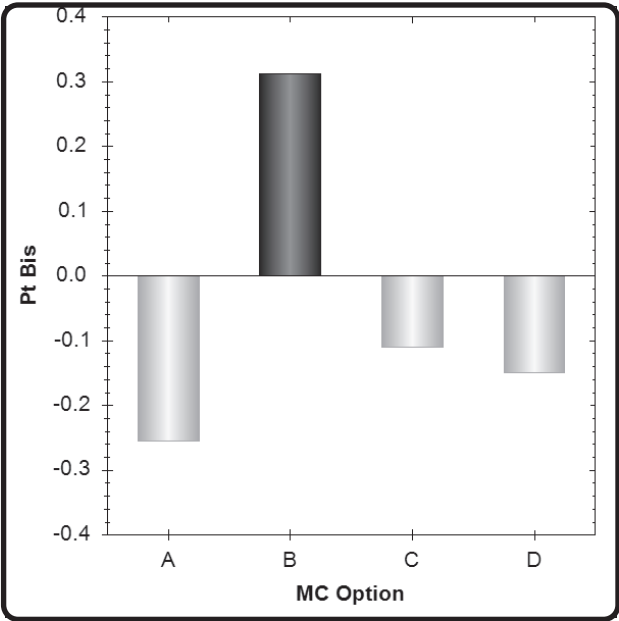
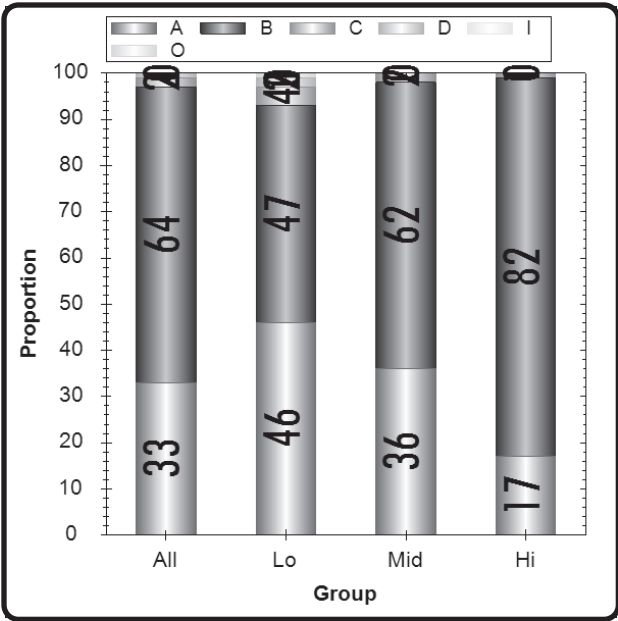
If Kiley picks one jelly bean from the bowl without looking, which best describes the likelihood that it will be pink?

- Ⓐ Certain
- Ⓑ Likely
- Ⓒ Unlikely
- Ⓓ Impossible

Type	Max Points	Correct Answer	N Count	Item Mean	Discrimination
Multiple Choice	1	B	6366	0.642	0.313

	A	B	C	D	Inv	Omit
All	33	64	2	1	0	0
Low Scorers	46	47	4	2	0	1
Middle Scorers	36	62	2	0	0	0
High Scorers	17	82	1	0	0	0

MC Item Option Discriminations			
A	B	C	D
-0.256	0.313	-0.111	-0.149



Notes:

00 Connor wrote the following numbers in order from greatest to least.

14,610	14,605	14,600	14,595	14,590
--------	--------	--------	--------	--------

He wants to add 14,599 and 14,702 to the list of numbers. List all the numbers including 14,599 and 14,702, in order from greatest to least. Write your answer in the spaces provided.

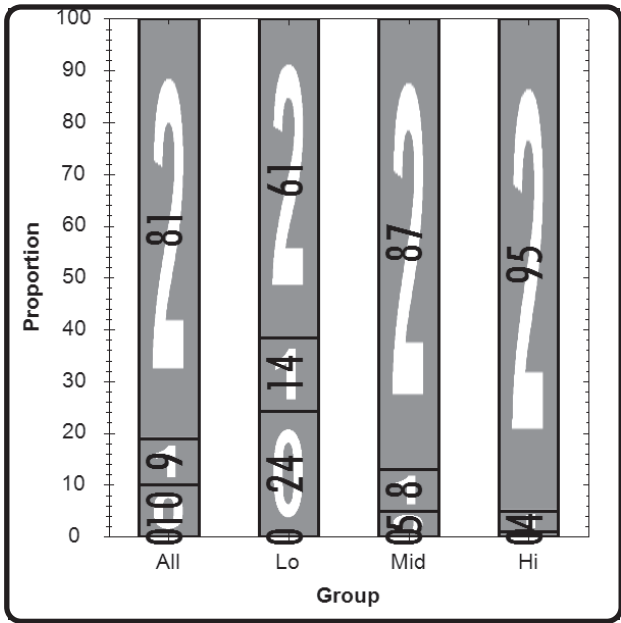
Numbers Ordered from Greatest to Least:

_____ / _____ / _____ / _____ / _____ / _____ / _____
Greatest Least

Grade 4 Item # 14	Math OP11	CID 100000101313 4.N.2.a
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Type Short Response	Max Points 2	N Count 6366	Item Mean 1.714	Discrimination 0.441
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	0	1	2	Inv	Omit
All	10	9	81	0	0
Low Scorers	24	14	61	0	0
Middle Scorers	5	8	87	0	0
High Scorers	1	4	95	0	0



Notes:



1 Connor wrote the following numbers in order from greatest to least.

14,610	14,605	14,600	14,595	14,590
--------	--------	--------	--------	--------

He wants to add 14,599 and 14,702 to the list of numbers. List all the numbers including 14,599 and 14,702, in order from greatest to least. Write your answer in the spaces provided.

Numbers Ordered from Greatest to Least:

14,702, 14,610, 14,605, 14,600, 14,599, 14,595, 14,590

Greatest

Least

14,702 was greater than the highest number (14,610) so I knew it would come first. And 14,599 was greater than 14,595 but was smaller than 14,600 so I knew it would go in between.

Stop. Do not go on to the next page.



Score point 2 The response is complete and accurate. Evidence of work based on appropriate methods is shown by correctly ordering each whole number (14,702...14,590).



1 Connor wrote the following numbers in order from greatest to least.

14,610	14,605	14,600	14,595	14,590
--------	--------	--------	--------	--------

He wants to add 14,599 and 14,702 to the list of numbers. List all the numbers including 14,599 and 14,702, in order from greatest to least. Write your answer in the spaces provided.

Numbers Ordered from Greatest to Least:

14,702, 14,600, 14,605, 14,610, 14,599, 14,595, 14,590

Greatest

Least

Stop. Do not go on to the next page.



Score point 1 The response is inaccurate. Evidence of work based on ordering and comparing whole numbers (14,702 [and] 14,599...14,590) is present. However, the ordering of numbers 14,600, 14,605, and 14,610 is not correct.



1 Connor wrote the following numbers in order from greatest to least.

~~14,610~~ ~~14,605~~ ~~14,600~~ ~~14,595~~ ~~14,590~~

He wants to add 14,599 and 14,702 to the list of numbers. List all the numbers including 14,599 and 14,702, in order from greatest to least. Write your answer in the spaces provided.

Numbers Ordered from Greatest to Least:

14,702 14,599 14,595 14,590 14,610 14,605 14,600
 Greatest Least

Stop. Do not go on to the next page.



Score point 0 The response shows no understanding of how to successfully complete the task. Numbers 14,702 and 14,599 are incorrectly inserted at the beginning of the sequence. Ordering of numbers from the original ordered list is incorrect (14,595...14,600).

