



**PAWS  
Mathematics  
Grade 6**

**Released Items  
With Data**

**2009**

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Printed in the United States of America.



3415314

The finish times for six runners in a women's marathon are listed in the table below.

**Women's Marathon**

<b>Runner</b>	<b>Time (Hr:Min:Sec)</b>
Jean	2:28:33
Sally	2:28:11
Lynne	2:29:53
Lily	2:28:51
Katy	2:27:33
Abby	2:29:08

What is the difference in minutes and seconds between the fastest runner and the slowest runner?

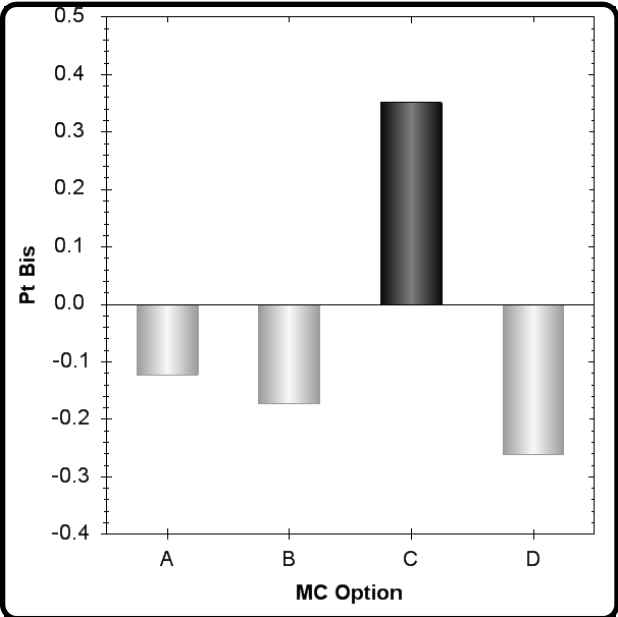
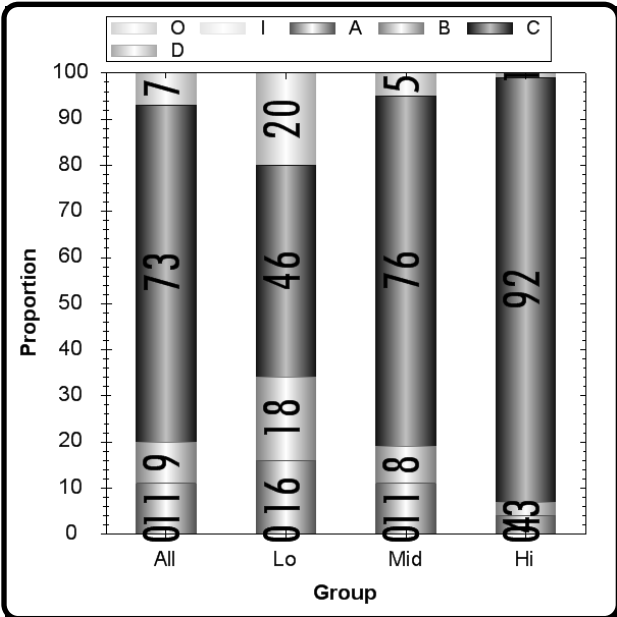
- A.** 0 min 20 sec
- B.** 0 min 35 sec
- C.** 2 min 20 sec
- D.** 2 min 30 sec

Grade 6 Item # 12	Math N3a	CID 3415314 Administration OP09
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Type	Max Points	Correct Answer	N Count	Item Mean	Discrimination
Multiple Choice	1	C	6394	0.727	0.351

	A	B	C	D	Omit	Invalid
All	11	9	73	7	0	0
Low Scorers	16	18	46	20	0	0
Middle Scorers	11	8	76	5	0	0
High Scorers	4	3	92	1	0	0

MC Item Option Discriminations			
A	B	C	D
-0.123	-0.173	0.351	-0.262



Notes:

3337485

**Gilbert charges \$50 each time he mows the lawn at Jorgensen's Bank. Which expression can be used to represent the total amount of money that Jorgensen's Bank owes Gilbert for mowing the lawn  $m$  times?**

**A.**  $\$50 + m$

**B.**  $\$50 - m$

**C.**  $\$50 \times m$

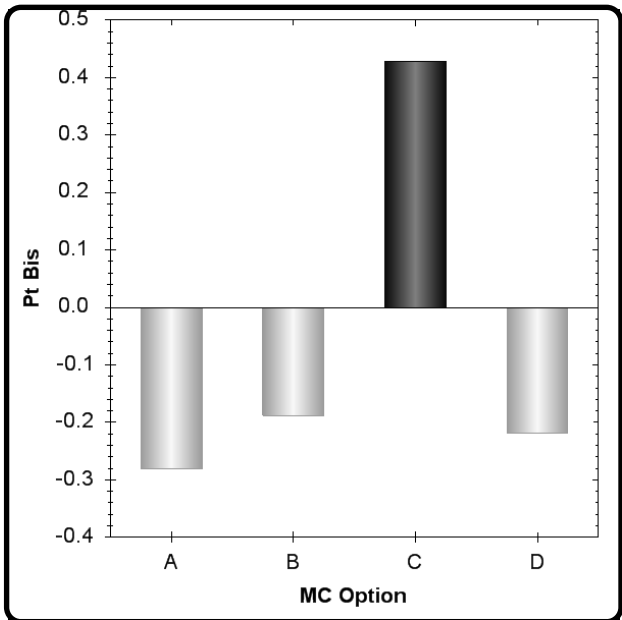
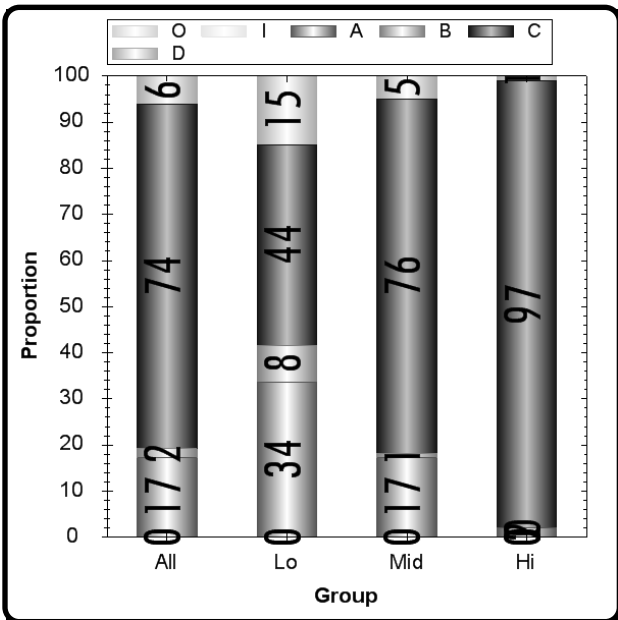
**D.**  $\frac{\$50}{m}$

**Grade 6** **Math** **CID 3337485**  
**Item # 18** **A2a** **Administration OP09**

Type	Max Points	Correct Answer	N Count	Item Mean	Discrimination
Multiple Choice	1	C	6394	0.739	0.428

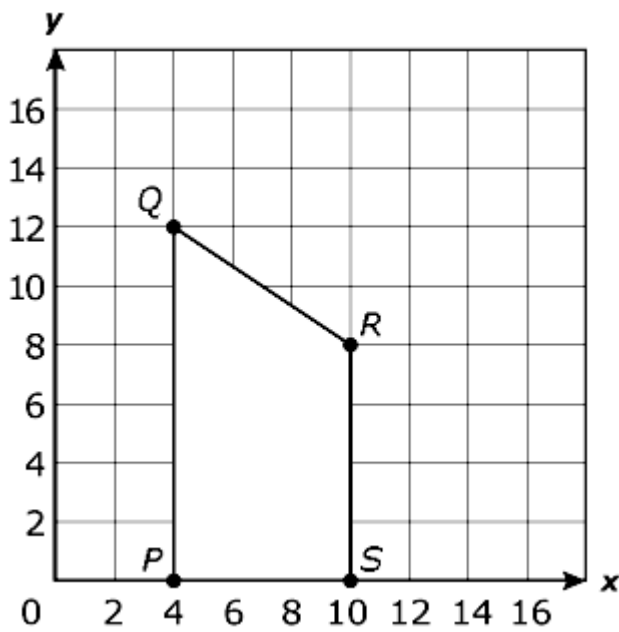
	A	B	C	D	Omit	Invalid
All	17	2	74	6	0	0
Low Scorers	34	8	44	15	0	0
Middle Scorers	17	1	76	5	0	0
High Scorers	2	0	97	1	0	0

MC Item Option Discriminations			
A	B	C	D
-0.281	-0.188	0.428	-0.218



Notes:

3508755



Carly drew figure *PQRS* to model a door under the stairway at a local museum.

What type of angle is  $\angle QRS$ ?

- A. Acute
- B. Obtuse
- C. Right
- D. Straight

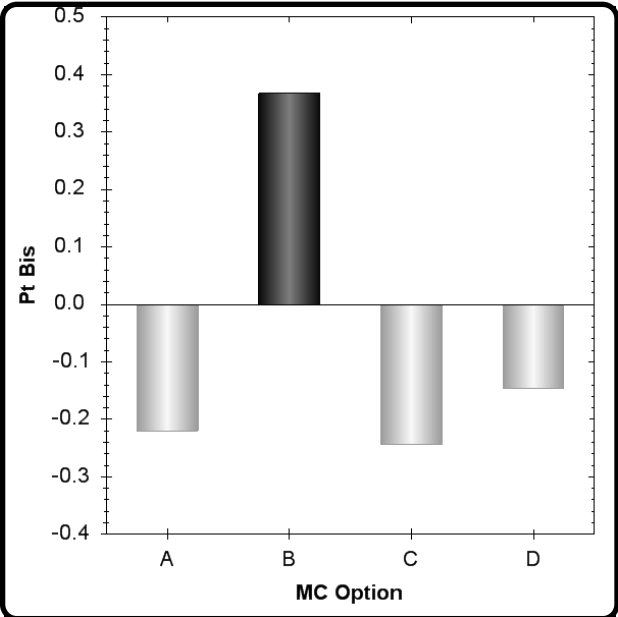
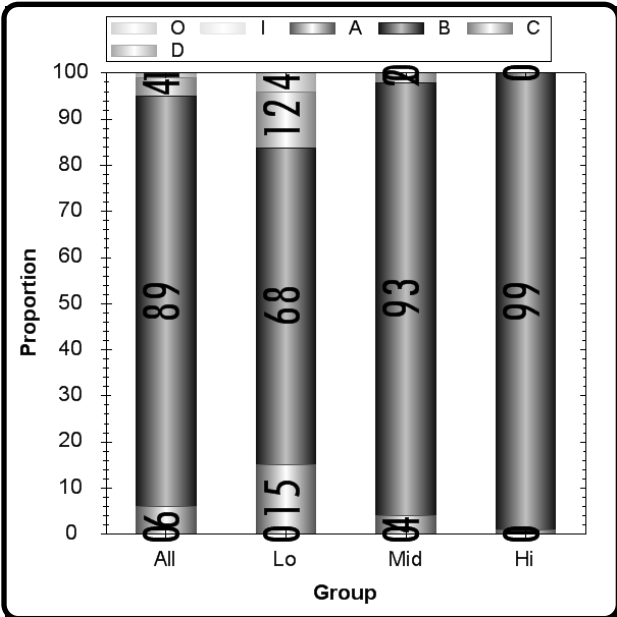


Grade 6 Item # 55	Math G1a	CID 3508755 Administration OP09
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Type	Max Points	Correct Answer	N Count	Item Mean	Discrimination
Multiple Choice	1	B	6394	0.892	0.367

	A	B	C	D	Omit	Invalid
All	6	89	4	1	0	0
Low Scorers	15	68	12	4	0	0
Middle Scorers	4	93	2	0	0	0
High Scorers	1	99	0	0	0	0

MC Item Option Discriminations			
A	B	C	D
-0.220	0.367	-0.243	-0.146



Notes:  
 Non LEP students may perform better on this item as compared to LEP students. (C)

3415173

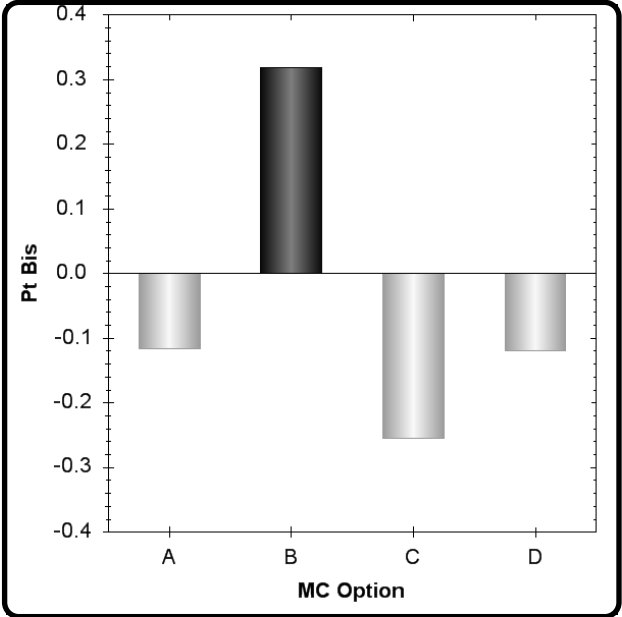
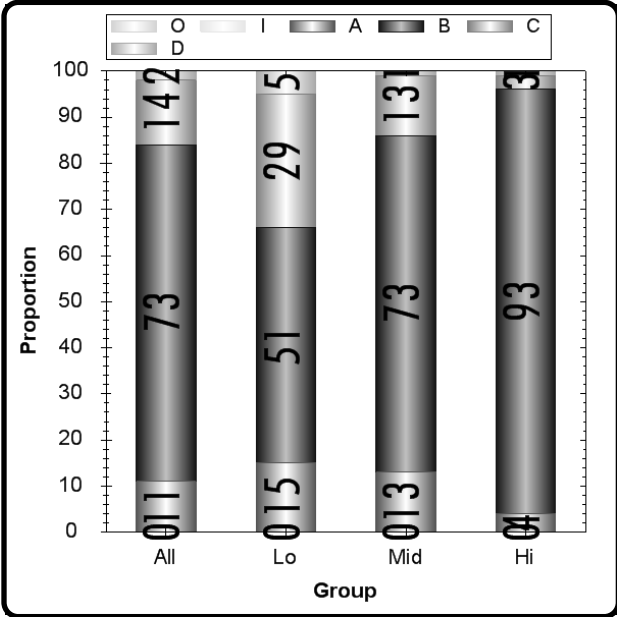
**A circular fishpond has a diameter of 16 feet. What is the radius of the fishpond?**

- A.** 4 ft
- B.** 8 ft
- C.** 32 ft
- D.** 50 ft

Type Multiple Choice	Max Points 1	Correct Answer B	N Count 6394	Item Mean 0.725	Discrimination 0.319
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	A	B	C	D	Omit	Invalid
All	11	73	14	2	0	0
Low Scorers	15	51	29	5	0	0
Middle Scorers	13	73	13	1	0	0
High Scorers	4	93	3	1	0	0

MC Item Option Discriminations			
A	B	C	D
-0.116	0.319	-0.255	-0.119



Notes:

3415310

**The Nelson family's swimming pool is in the shape of a regular hexagon. One side of the pool has a length of 10 feet. What is the perimeter in feet of the swimming pool?**

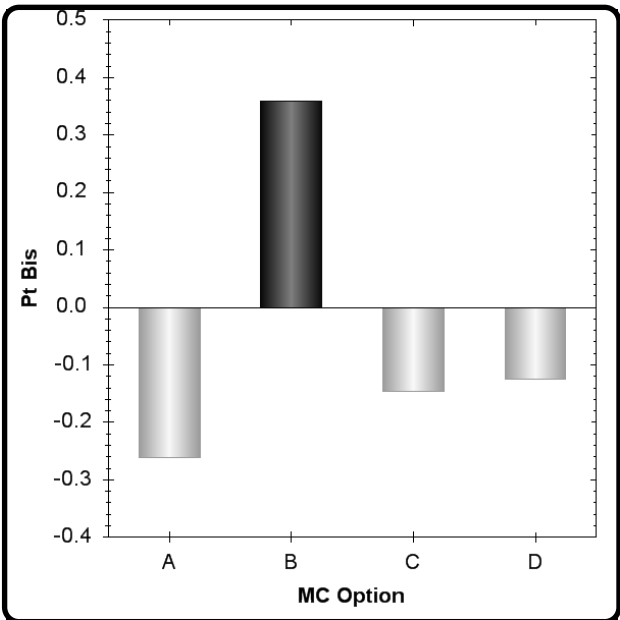
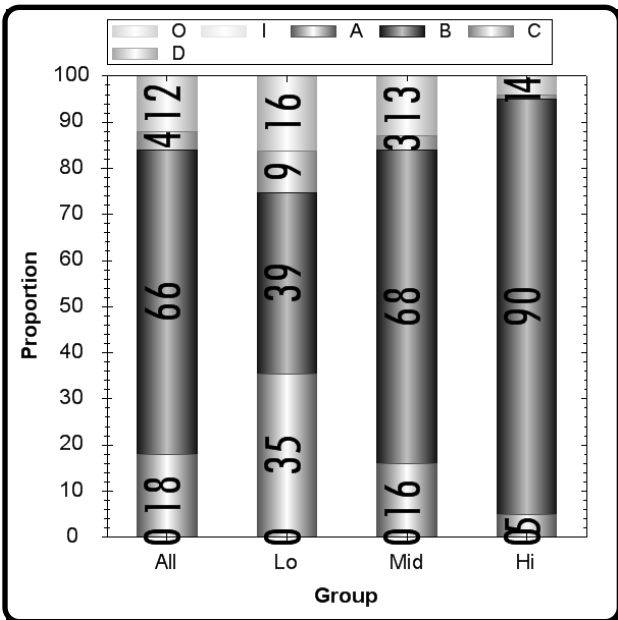
- A.** 50 ft
- B.** 60 ft
- C.** 70 ft
- D.** 80 ft

**Grade 6** **Math** **CID 3415310**  
**Item # 29** **M2a** **Administration OP09**

Type	Max Points	Correct Answer	N Count	Item Mean	Discrimination
Multiple Choice	1	B	6394	0.663	0.359

	A	B	C	D	Omit	Invalid
All	18	66	4	12	0	0
Low Scorers	35	39	9	16	0	0
Middle Scorers	16	68	3	13	0	0
High Scorers	5	90	1	4	0	0

MC Item Option Discriminations			
A	B	C	D
-0.262	0.359	-0.146	-0.125



Notes:

**A bag contains 10 marbles of equal size.**

- **There are 5 black marbles.**
- **There are 5 blue marbles.**

**Part A. What is the probability of reaching into the bag without looking and selecting a blue marble? Write your answer in the space below. Show or explain how you got your answer.**

**Probability:** \_\_\_\_\_

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**Part B. If the marble referred to in Part A is not replaced, what is the probability of reaching into the bag without looking and selecting a black marble? Write your answer in the space below. Show or explain how you got your answer.**

**Probability:** \_\_\_\_\_

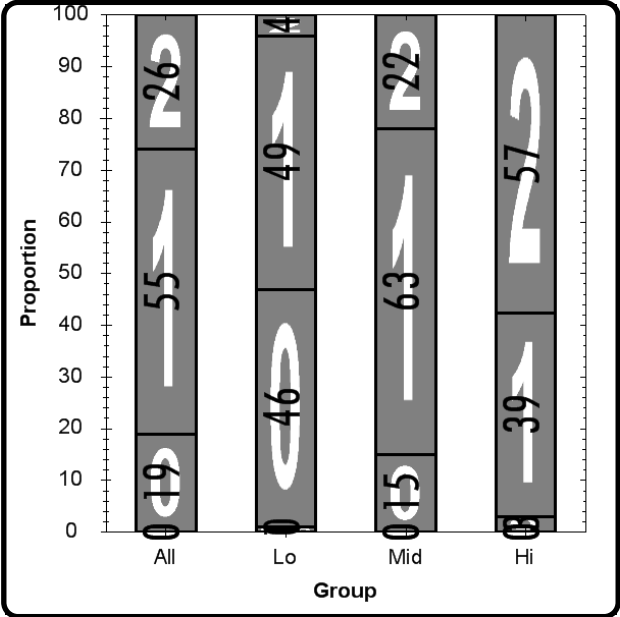
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Grade 6 Math CID 3377623  
 Item # 68 Administration OP09  
 D2a

Type Max Points N Count Item Mean Discrimination  
 Short Answer 2 6394 1.065 0.480

	0	1	2	Omit	Invalid
All	19	55	26	0	0
Low Scorers	46	49	4	1	0
Middle Scorers	15	63	22	0	0
High Scorers	3	39	57	0	0



Notes:  
 Non SPED students may perform better on this item as compared to SPED students. (B)  
 Non LEP students may perform better on this item as compared to LEP students. (B)

