1. 1C Which of the following is 6,740,000 written in scientific notation?

A. $6.74 \times 10^{8}$
B. $6.74 \times 10^{7}$
C. $6.74 \times 10^{6}$
D. $6.74 \times 10^{5}$

2. 3A Which decimal is equal to $1\frac{3}{50}$?

A. 1.3
B. 1.06
C. 1.6
D. 1.53

3. 4A The table shows the increase over 4 days of a stock Mr. Inez bought.

| Day | Stock Increase |
|---|---|
| Thursday | 4.03 |
| Friday | 4.5 |
| Saturday | 4.3 |
| Sunday | 4.51 |

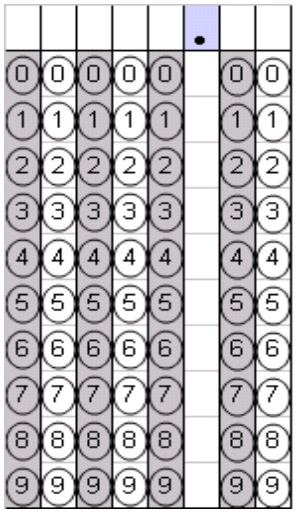
Which list shows the increase in order from **least** to **greatest**?

A. Thursday, Saturday, Friday, Sunday
B. Saturday, Thursday, Sunday, Friday
C. Friday, Thursday, Saturday, Sunday
D. Thursday, Saturday, Sunday, Friday

4. 5A Jill has 32.8 pounds of dog food. Her dog eats 2.25 pounds of food a day. Which equation can be used to find out how many days, D, her supply of dog food will last?

A. 38.2 + 2.25 = D
B. 38.2 – 2.25 = D
C. 38.2 x 2.25 = D
D. 38.2 ÷ 2.25 = D

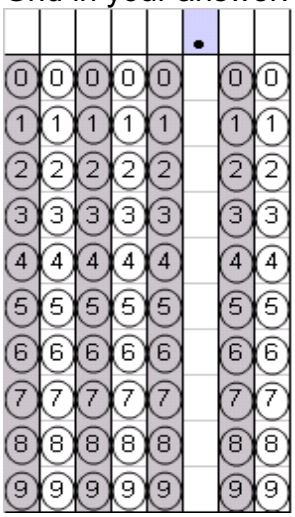
5. 7A Solve this problem:
56,802 + 349 + 18,622 =



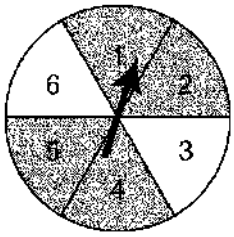
6. 20C The daytime high temperatures, in degrees Fahrenheit, for the first week in May were:

78.9° 82.7° 74° 83.3° 82.4° 83.2° 89.5°

What was the mean temperature for the first week?
Grid in your answer.



7. 21A Look at the spinner below.




Which of the following is correct according to the spinner?

A. The probability of spinner a shaded number is $\frac{2}{3}$.

B. The probability of spinning a factor of 6 is $\frac{1}{3}$.

C. The probability of spinning a prime number is 0.25.

D. The probability of spinning an even number is 0.75.

8. 24A Hilda is taller than George but shorter than Bill. Kim's height is between Hilda and George's heights. Who is the shortest?

A. Hilda

B. George

C. Bill

D. Kim

9. Mr. Rameriz owns a paint store. The chart below shows his 4 employees, the hours they can work and their hourly rate.

| Name | Hourly Rate | Hours to work in a week |
|---|---|---|
| Kai | $8 | 20 - 30 |
| Jeremy | $6 | 25 - 40 |
| Tenille | $9 | 10 - 20 |
| Monty | $8 | 30 - 40 |

Mr. Rameriz needs to create a schedule for the 4 employees. He wants a total of 100-110 hours in all and he wants to spend no more than a total of $750 per week.

| Name | Hourly Rate | Hours to work in a week | Scheduled Hours | Total Money Paid |
|---|---|---|---|---|
| Kai | $8 | 20 - 30 | | |
| Jeremy | $6 | 25 - 40 | | |
| Tennille | $9 | 10 - 20 | | |
| Monty | $8 | 30 - 40 | | |

Explain why your schedule will work for Mr. Rameriz.

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_____

_____

10. 23A What value of *x* makes this equation true?

$$\frac{36}{x} + 6 = 10$$

A. 3
B. 9
C. 20
D. 52