Name_____ **Date**_____

Directions: Complete as many problems as you can in the 30 minutes allotted to you. No calculators!

1. If $\frac{17}{23}$ of the teachers have an ATM card, what fraction of the teachers do not have one?

 (**A**) $\frac{6}{23}$ (**B**) $\frac{7}{23}$ (**C**) $\frac{8}{23}$ (**D**) $\frac{9}{23}$ (**E**) $\frac{10}{23}$

2. Seventy-five minutes ago it was 6:55 p.m.. What time is it now?
 (**A**) 5:40 p.m.   (**B**) 5:50 p.m.   (**C**) 8:00 p.m.   (**D**) 8:05 p.m.   (**E**) 8:10 p.m.

3. You decide to sell lemonade to make some extra money. If a pitcher of lemonade can fill 6 glasses and you sell each glass of lemonade for 25 cents, how much money would you make for each pitcher of lemonade sold?
 (**A**) 125 cents   (**B**) 150 cents   (**C**) 175 cents   (**D**) 200 cents   (**E**) 225 cents

4. If Jeff was 3 feet 9 inches tall and he grew 6 inches over the past year, how tall is he now?
 (**A**) 4 ft. 1 in.   (**B**) 4 ft. 2 in.   (**C**) 4 ft. 3 in.   (**D**) 4 ft. 4 in.   (**E**) 4 ft. 5 in.

5. A book contains 72 pages. If you have read 18 pages, how many hours will it take you to finish the book if you read 9 pages every hour?
 (**A**) 6   (**B**) 7   (**C**) 8   (**D**) 9   (**E**) 10

6. The Tigers and the Yankees are playing a doubleheader (two games). If the Tigers win the first game 10 to 6 but lose the second game 5 to 7, how many more runs did the Tigers score than the Yankees for the two games?
 (**A**) 1   (**B**) 2   (**C**) 3   (**D**) 4   (**E**) 6

7. How many more seconds does 5 minutes have than 2 minutes?
 (**A**) 3   (**B**) 120   (**C**) 180   (**D**) 240   (**E**) 400

8. If it takes 4 minutes to cut down a tree and there are 80 trees total, how long would it take to cut down all of the trees? Assume each tree takes the same amount of time to cut down.
 (**A**) 20 minutes   (**B**) 84 minutes   (**C**) 240 minutes   (**D**) 270 minutes   (**E**) 320 minutes

9. The denominator is smaller than the numerator for which fraction?

 (**A**) $\frac{8,080}{8,800}$ (**B**) $\frac{606}{660}$ (**C**) $\frac{769}{796}$ (**D**) $\frac{535}{529}$ (**E**) $\frac{987}{991}$

10. Four days is how much longer than 1 day, 21 hours, and 30 minutes?
 (**A**) 2 days, 2 hours, 30 minutes   (**B**) 2 days, 3 hours, 30 minutes   (**C**) 3 days, 1 hour, 30 minutes
 (**D**) 3 days, 2 hours, 30 minutes   (**E**) 3 days, 3 hours, 30 minutes

11. Your birthday was 48 weeks ago. How many days will it be until your next birthday?
 (**A**) 14   (**B**) 28   (**C**) 35   (**D**) 42   (**E**) 49

12. A pack of gum that was 55 cents now costs 60 cents. If there are 10 pieces of gum in a pack, how much more would it cost to buy 40 pieces of gum?
 (**A**) 5 cents   (**B**) 10 cents   (**C**) 15 cents   (**D**) 20 cents   (**E**) 25 cents

13. An adult ticket costs $30 and a child's ticket costs $20. How much would it cost if a father took his two children to the play?
  (A) $50   (B) $60   (C) $70   (D) $80   (E) $90

14. If Dave has a 2-foot long piece of licorice and he breaks it into 4-inch lengths, how many pieces would he have?
  (A) 2   (B) 4   (C) 5   (D) 6   (E) 8

15. If it snows 18 inches in 2 months, how many inches would it snow in 3 months? Assume it snows the same amount each month.
  (A) 21   (B) 24   (C) 27   (D) 30   (E) 33

16. How much more is $473+687+564$ than $471+685+561$?
  (A) 7   (B) 8   (C) 9   (D) 10   (E) 11

17. Three yards is how many inches more than one yard?
  (A) 6   (B) 36   (C) 48   (D) 72   (E) 96

18. A sequence is a pattern of numbers. What is the next number in the following sequence? 60, 48, 36, __
  (A) 20   (B) 22   (C) 24   (D) 26   (E) 28

19. If you use 24 gallons of gas in your car every 6 days, how many gallons of gas would you need for 8 days?
  (A) 16   (B) 18   (C) 24   (D) 32   (E) 40

20. During the three-day snowstorm, there were 898 car accidents. If 301 accidents occurred on the first day and 402 occurred on the second day, how many occurred on the third day?
  (A) 95   (B) 195   (C) 196   (D) 197   (E) 703

21. If a 3-gallon bucket of ice cream costs $4, how much would 9 buckets cost?
  (A) $12   (B) $15   (C) $24   (D) $32   (E) $36

LAWN MOWER RENTAL

	HOURLY RATE	DAILY RATE
SMALL LAWN MOWER	$3 EVERY HOUR	$20 EVERY DAY
LARGE LAWN MOWER	$5 EVERY HOUR	$30 EVERY DAY

22. When you pay someone to use their lawnmower, you are renting their lawnmower. If you rent a large lawnmower for 8 hours, how much money will you save if you rent it for the daily rate instead of the hourly rate?
  (A) $4   (B) $6   (C) $8   (D) $10   (E) $12

23. How much more would it cost if you rented a large lawn mower for 3 hours than a small lawn mower for 4 hours?
  (A) $1   (B) $2   (C) $3   (D) $4   (E) $5

24. Kim broke her glasses and cannot see well. Now, when Kim sees a 3, she thinks it is a 8. Also, when she sees a 4, she thinks it is a 9. When Kim sees 3×4, what does she think the answer is?
  (A) 24   (B) 27   (C) 32   (D) 36   (E) 72

25. If one nickel buys three minutes of time on the parking meter, how many minutes would two quarters buy?
  (A) 24   (B) 30   (C) 45   (D) 48   (E) 60

1. A	2. E	3. B	4. C	5. A
6. B	7. C	8. E	9. D	10. A
11. B	12. D	13. C	14. D	15. C
16. A	17. D	18. C	19. D	20. B
21. E	22. D	23. C	24. E	25. B

1. $\dfrac{6}{23}$
2. 8:10
3. $25 \times 6 = 150$
4. 4 ft. 3 in.
5. $8 - 2 = 6$
6. $4 - 2 = 2$
7. $60 + 60 + 60 = 180$
8. $80 \times 4 = 320$
9. $\dfrac{535}{529}$
10. 2 days, 2 hours, 30 minutes
11. $4 \times 7 = 28$
12. $4 \cdot 5 = 20$
13. $30 + 40 = 70$
14. $24 \div 4 = 6$
15. $9 \times 3 = 27$
16. $2 + 2 + 3 = 7$
17. $36 + 36 = 72$
18. $36 - 12 = 24$
19. $4 \times 8 = 32$
20. $898 - 703 = 195$
21. $9 \times 4 = 36$
22. $40 - 30 = 10$
23. $15 - 12 = 3$
24. $8 \times 9 = 72$
25. $10 \times 3 = 30$