

NAME: _____



MINUTE 31

1. To divide fractions, multiply the first fraction by the reciprocal of the second fraction.

Circle: True or False

2. $3 \cdot -3 + 3 \cdot -3 =$

3. The reciprocal of $5\frac{1}{3}$ is _____.

4. Complete the table on the right.

Fraction	Decimal	Percent
$\frac{5}{20}$		

5. Write $-4\frac{2}{5}$ as an improper fraction. _____

6. $\frac{-3}{5} + \frac{4}{5} =$

7. $\left(\frac{-2}{5}\right)^2 =$

8. $\frac{1}{8}$ of 16 =

9. $\frac{-3}{8} + \frac{-2}{8} =$

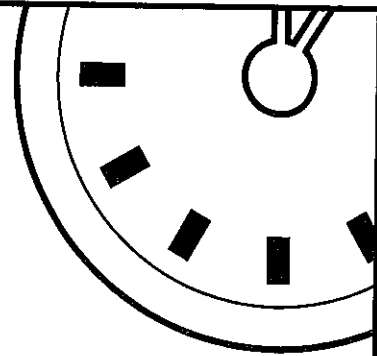
10. If $\frac{3}{5} = \frac{a}{20}$, then $a =$ _____.

BONUS! If a square has an area of 64 square inches what is the perimeter? _____

NAME: _____



MINUTE 32



1. Find the lowest common denominator of $\frac{1}{3}$ and $\frac{2}{5}$. _____

2. $\frac{-5}{7} + \frac{7}{8} =$

3. $\frac{-5}{7} \cdot \frac{7}{8} =$

4. $\frac{1}{2}(-5 + 9) =$

5. Write 0.0084 in scientific notation. _____

6. What is 10% of 900? _____

7. $20^{-2} =$

8. $(-5)(6)(-2) =$

9. $18 \div -3 =$

10. The diameter of a tire is 20 inches. Which of these is a good estimate for the distance around the tire?

Hint: $C = \pi d$

a. 60 inches

b. 80 inches

c. 100 inches

d. 40 inches

NAME: _____



MINUTE 33

1. $7(-3)2 =$

2. What does the a equal in this problem: $27 = 3^a$? _____

3. $\sqrt{81} =$

4. $\left(\frac{1}{8}\right)^2 =$

5. Is $\sqrt{35}$ closer to 5 or 6? _____

6. On five different tests Jake got: 75, 80, 81, 96, and 100.
Which of the following would be greater? Circle: the answer below.
Jake's median score or Jake's mean score

7. $\frac{3}{25} =$ _____%

8. $\frac{-12}{-4} =$

9. Reduce: $-13\frac{24}{40} =$

10. $|-8| \cdot |-9| =$

NAME:



MINUTE 34

Fraction	Decimal	Percent
		36%

1. Complete the table on the right.

2. If $3a - 7 > 14$, then which of these could a be?

- a. 8 b. 5 c. 1 d. -8

3. If $y = x^3$ and $x = -3$, then what does y equal? _____

4. $\sqrt{16} =$

5. $(\sqrt{16})^2 =$

6. $\left(\frac{-1}{4}\right)\left(\frac{-3}{5}\right) =$

7. $10 + (-6)(-7) - 1 =$

8. $\frac{12^3}{12^5} =$

9. Find x if $\frac{4x}{5} = 20$. $x =$ _____

10. In the problem $y = 2x + 3$, find y if $x = 4$. $y =$ _____



MINUTE 35

1. Order from greatest to least: $-21, 11, 0, -5, -5\frac{1}{2}$. _____
2. Write 0.0000042 in scientific notation. _____
3. $-8 + 6 + (-2) =$ _____
4. $-3|-3| =$ _____
5. What is $\frac{15}{50}$ as a percent? _____
6. What is $\frac{15}{50}$ reduced? _____
7. What is $\frac{15}{50}$ as a decimal? _____
8. What is the reciprocal of $\frac{15}{50}$? _____
9. Simplify: $7^5 \cdot 7^7 =$ _____
10. When you multiply numbers with the same base, as in problem 9, you _____ exponents.
 - a. add
 - b. subtract
 - c. multiply
 - d. divide

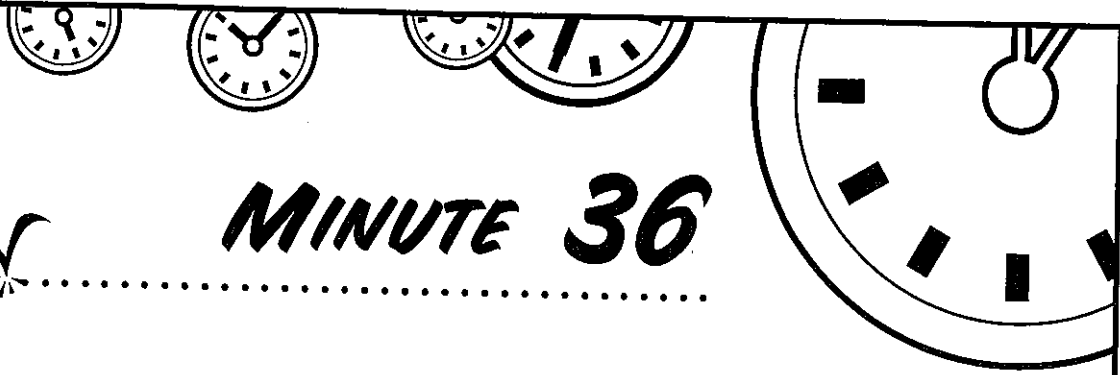
BONUS!

Annie's ant population doubles every week. After 3 weeks of doubling, how many ants will she have if her colony started with 50? _____

NAME: _____



MINUTE 36



1. Order from greatest to least: $-12, -15, -7, 0$. _____

2. Write 34,322 in scientific notation. _____

3. $-8 + (-6) + (-2) =$

4. $5|-3 + (-7)| =$

5. Write $-2\frac{3}{11}$ as an improper fraction. _____

6. What is the reciprocal of $\frac{11}{25}$? _____

7. Simplify: $\frac{4^{12}}{4^4} =$

8. When you divide numbers with the same base, as in problem 7, you _____ exponents.

a. add

b. subtract

c. multiply

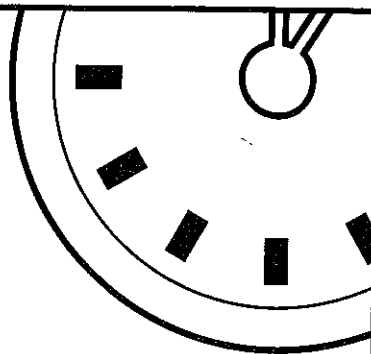
d. divide

9. Complete the table on the right.

Fraction	Decimal	Percent
	0.3	

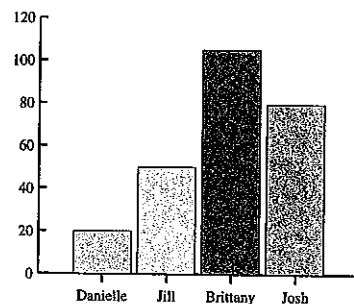
10. Solve for f if $\frac{f-5}{6} = 4$. _____

NAME: _____



MINUTE 37

1. Find the lowest common denominator of $\frac{1}{2}$ and $4\frac{1}{3}$. _____
2. $(\sqrt{3111})^2 =$ _____
3. $-3 \cdot -6 \cdot -2 =$ _____
4. What is the reciprocal of $4\frac{1}{3}$? _____
5. According to the graph, who has the most points? _____
6. Brittany has twice as many points as _____. _____
7. Round Danielle's score to the nearest 10. _____
8. Write as an improper fraction: $-3\frac{3}{11} =$ _____
9. Simplify: $\frac{5^{22}}{5^4} =$ _____
10. $\frac{-3}{11} + \frac{-4}{11} =$ _____

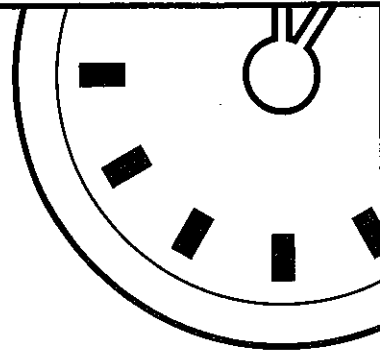


BONUS!

A number has 5 added to it and is then multiplied by 20. The final answer is 180. What is the original number? _____



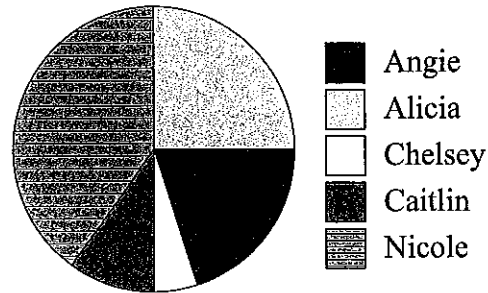
MINUTE 38



1. Circle the mistake in the problem: $\frac{1}{3} + \frac{3}{4} = \frac{3}{12} + \frac{9}{12} = \frac{12}{12} = 1$

Use the circle graph to complete Problems 2–4.

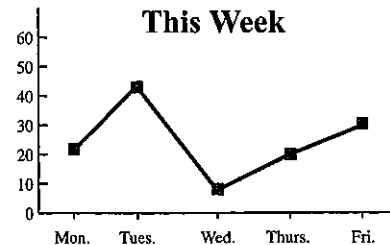
Math Points



2. According to the graph, about what percent of the points does Angie have? _____
3. Nicole and Caitlin together have about _____ percent of the points.
4. Which two people represent the largest percent of points earned? _____
5. $(-2)^3 = (-2)(-2)(-2) = 8$ Circle: True or False
6. $\frac{1}{8} \cdot \frac{1}{7} =$ _____
7. Find the lowest common denominator of $5\frac{1}{2}$ and $\frac{3}{7}$. _____

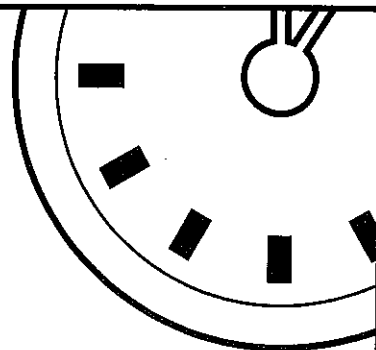
Use the line graph to complete Problems 8–10.

John's Points
This Week



8. According to the graph, on which day of the week did John earn the most points? _____
9. About how many points did he earn on Monday? _____
10. Altogether, John earned about how many points this week?
 a. 50–80 b. 80–110 c. 110–140 d. 140–170

NAME: _____



MINUTE 39

1. Circle the mistake in the problem: $\frac{1}{3} - \frac{1}{7} = \frac{4}{21} - \frac{3}{21} = \frac{1}{21}$

2. Find the mean: 1, 4, 4, 6, 10. _____

3. What is the mode in Problem 2? _____

4. What is the median in Problem 2? _____

Use the graph to complete Problems 5–8.

5. Which two people have the most points? _____

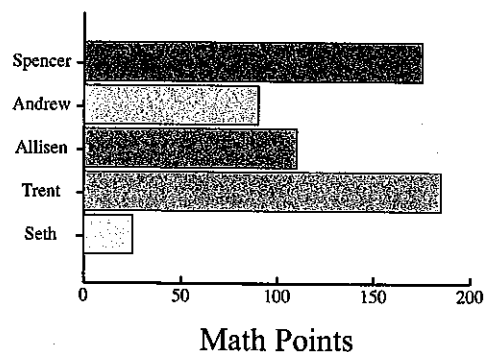
6. Is there a mode for the graph?
Circle: Yes or No

7. Which student has the median score? _____

8. Trent has about twice as many points as _____.

9. $-3(2^2 + 1) =$

10. If $a = -2$, then $(3a)^2 =$ _____.



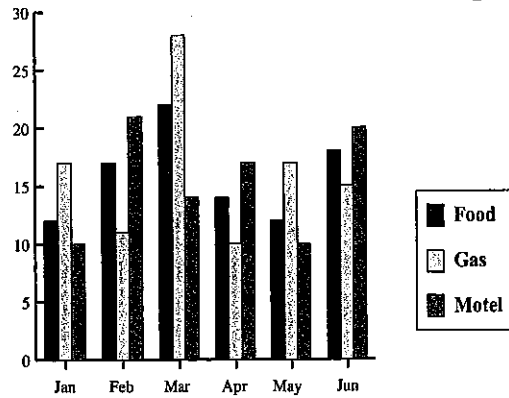
NAME: _____



MINUTE 40

Use the graph to complete Problems 1–3.

1. In which month did Aaron spend the most money? _____
2. In January, did Aaron spend more on food or motel costs? _____
3. How much money was spent on food in June? _____



Use the chart to complete Problems 4–7.

4. What is the mode? _____
5. What is the mean? _____
6. What is the median? _____
7. What is the range? _____

4	3	1	3
2	3	5	3

8. $5 + 8 \cdot -3 =$
9. $7^{-2} =$
10. $a^{-2} =$

BONUS!

What number (n) must be inserted into the number $3n,85n$ for it to be divisible by 6?