Minute 1

1. 6×3
2. How many ears do eight dogs have in all?
3. If $n + 2 = 7$, then $n =$
4. There were eight bugs on the ground. Now there are six. How many flew away?
5. $2 \times 3 \times 2$
6. If $4 \times 6 + n = 31$, then $n =$
7. Identify the pattern: 3, 6, 9, 12
8. Seven bicycles have how many wheels in all?

Use <, >, or = to complete questions 9 and 10.

9. 3 weeks ... 20 days
10. 1 cm ... 1 in.

Minute 2

1. 3×5
2. Four dollars is equal to how many pennies?
3. $2 + 5 \times 2$
4. $5 + 8 - 3$
5. $\frac{6}{2}$
6. Identify the pattern: 0, 4, 8, 12
7. $0 \times 5{,}132$
8. $32 \div 2$
9. The product of four and three.
10. The sum of five and four.

Minute 3

1. The product of 4 and 6.
2. $2{,}463 \times 0$
3. Identify the pattern: 1, 10, 2, 9, 3
4. $\frac{8}{4}$
5. $48 \div 8$
6. $8 + 6 \div 3$
7. $3 + 4 \times 3$
8. How much does each apple cost?

9. $5 + (3 - 1)$
10. The difference between 9 and 5.

Minute 4

1. Identify the pattern: 1, 5, 9, 13
2. $10 - 4 \times 2$
3. $\frac{18}{3}$
4. $84 \div 1$
5. Does Ellen spend more time on homework or sports?

6. $4 \times 3 + 5 \times 1$

For questions 7-10, use a=2, b=3, and c=6

7. $a + b$
8. ac
9. $\frac{c}{a}$
10. $2b$

Minute 5

For questions 1-5, use a=8, b=2, and c=1/2

1. $a + b$
2. $b + c$
3. ab
4. ca
5. $4a$
6. $\frac{14}{2}$
7. Identify the pattern: 1, 2, 4, 8
8. The sum of 8 and 7.
9. The difference between 9 and 3.
10. $10 - 3 \times 3$

Minute 6

1. 4×4
2. 5^2
3. $2 \times 2 \times 2$
4. Which number is in both A and B?

5. $10 - 5 \times 2$
6. 6^2
7. $1 \times 1 \times 1 \times 1$
8. $\frac{10}{5}$
9. Identify the expression that is equal to $5 \times 5 \times 5$:

5×3	3×5
5^3	3^5

10. $3 + 5$

Minute 7

1. 8^2
2. $4^2 - 6$
3. A trio and a quartet got together and played a song. How many musicians were there?
4. $2 + 3 \times 3 + 2$
5. $36 \div 2$
6. 10^2
7. $\frac{1}{2} \times 10$
8. $3 \times 2 \times 1$
9. Identify the expression that is equal to 4^3:

$4 \times 4 \times 4$	4×3
$4 + 3$	$3 \times 3 \times 3 \times 3$

10. $\frac{4}{2}$

Minute 8

1. 3^2
2. $\frac{18}{3}$
3. Identify the expression that is equal to 5^3:

5×3	$3 \times 3 \times 3 \times 3 \times 3$
3×5	$5 \times 5 \times 5$

4. If $8 + y = 15$, then $y =$
5. $15 + 3 \times 2$
6. Scott ate half of the pizza How many pieces did he eat?

7. 35×35
8. $\frac{1}{2(12)}$
9. 2×5
10. 5×2

Minute 9

1. 7^2
2. If $4r = 24$, then $r =$
3. $\frac{15}{3}$
4. $5(4 + 2)$
5. $6 + 4 \times 2$
6. If $s - 8 = 9$, then $s =$
7. 45×45
8. 2^3
9. If there are fifty dimes in a roll of coins, then it is equal to how many dollars.
10. The product of eight and nine.

Minute 10

1. $\frac{1}{2(20)}$
2. $\frac{20}{4}$
3. $(4+4)^2$
4. The quotient of 27 divided 3.
5. One half of fifty
6. Identify the pattern: 128, 64, 32, 16
7. 256×0

For questions 8-10, use a=5, b=4, and c=2.

8. ac
9. $2a$
10. $\frac{b}{c}$

Minute 11

1. If $a + 15 = 19$, then $a =$
2. If $b = 2$, then $b^3 =$
3. $8(4 + 3)$
4. $10 + 4 \times 2$
5. Five cars have how many wheels altogether?
6. If $3n = 18$, then $n =$
7. 50×50
8. Eight squared.
9. If $y - 4 = 11$, then $y =$
10. What time is shown on the clock?

Minute 12

1. The sum of four and twelve.
2. Six ducks have how many feet in all?
3. $(8-3)^2$
4. $\frac{1}{2} \times 16$
5. Three squared
6. $8 \times 1 + 4 \times 2$
7. $8 - 3 \times 2$
8. Five dollars equal how many pennies?
9. If $a = 5$, then $a^2 =$
10. Four weeks is how many days?

Minute 13

1. $3(4 + 2 + 1)$
2. If 6 pennies are in each pile, how many pennies are in nine piles?
3. If $9 - x = 3$, then $x =$
4. 7×4
5. $12 - 3 \times 4$
6. $8(10)$
7. If $65 + a$, then $a =$
8. Twenty-four divided by eight
9. If $a = 9$, then $5a =$
10. Twelve quarters is equal to how many dollars?

Minute 14

1. $15 - 3 \times 2$
2. $25 \div 5$
3. 3^3
4. A centipede has how many legs?
5. $(5 + 4)^2$
6. If $x - 4 = 4$, then $x = 2$
7. Forty nickels to equal to how many dollars.

Use <, >, or = to complete questions 8-10.

8. 3^2 ... 24
9. $1\ meter$ ... $100\ meter$
10. $9(8)$ ... $8(5 + 4)$

Minute 15

1. 4×4
2. Five boxes of pencils with ten pencils per box is equal to how many pencils.
3. If $18 \div 3 = n$, then $n =$
4. 70×70
5. The product of 6 and 3.
6. If $2^2 + x = 9$, then $x =$
7. Identify the pattern: 1, 4, 9, 16
8. $\frac{15}{3}$
9. Five tricycles have how many wheels?
10. Five squared plus ten

Minute 16

1. 8×4
2. 65×65
3. $10(12)$
4. Three centuries are equal to how many years?
5. Five squared
6. $7 \div 4 \times 2$
7. $45 \div 3$

For questions 8–10, use $a=4$, $b=9$, and $c=3$

8. ac
9. $\frac{b}{c}$
10. $5b$

Minute 17

1. 7^2
2. $10 - 5 + 3$
3. $0.6 + 0.3$
4. Six weeks is equal to how many days?
5. $18 - 6 \times 2$
6. What time is shown on the clock?

7. $12 \div 2 \div 2$

Use <, >, or = to complete questions 8–10

8. 0.55 ... 0.65
9. 0.083 ... 0.81
10. 0.6 ... 0.60

Minute 18

1. $3(4 - 1 + 2)$
2. Order from least to greatest: 5.2, 0.052, 0.52
3. 2^3
4. $\frac{20}{4}$
5. Identify the greater number: 0.0853 or 0.09
6. Circle the answer that is equivalent to 4^3:

12	$4 \times 4 \times 4$
$3 \times 3 \times 3$	43

7. The product of 8 and 11.

Use <, >, or = to complete questions 8-10

8. 4.03 ... 4.01
9. 0.0034 ... 0.03
10. 10.6 ... 10.600

Minute 19

1. $0.8 - 0.5$
2. Identify the greatest number: 0.55, 0.50, 0.505
3. Identify the number with the least value: 0.092, 0.029, 0.043
4. If $a = 9$, the $a^2 =$
5. If $3x = 27$, then $x =$
6. Three feet equal how many inches?
7. $3 + 9 \times 2$
8. Order these numbers from least to greatest: 0.08, 8.0, 0.8
9. A field goal is worth three points. The Bears have kicked four field goals. How many points is this altogether?
10. $3 \times 2 \times 4$

Minute 20

1. If $a + 8 = 16$, then $a =$
2. Identify the greatest number: 8.20, 8.02, 8.022
3. $0.3 + 0.2 + 0.1$

For questions 4–7, round to the ones place.

4. 26.26
5. 2.81
6. 0.018
7. 15.45

For questions 8–10, use $a=2$, $b=3$, and $c=8$

8. $ab(c - a)$
9. The sum of a and b
10. $\left(\frac{c}{a}\right)$

Minute 21

1. $0.8 + 0.6$
2. If $\frac{x}{3} = 6$, then $x =$
3. Identify the number with the least value: 0.051, 3.82, 0.05
4. Ten weeks is equal to how many days?
5. $10 - 6 + 2$
6. $3^2 + 2$
7. Eight dogs have how many legs in all?

For questions 8–10, round to the tenths place.

8. 0.787
9. 0.506
10. 2.8

Minute 22

1. 55×55
2. $8 - 3 + 4$
3. Sixteen quarters is equal to how many dollars?
4. $6(8)$
5. $\frac{28}{4}$
6. If $g - 4 = 18$, then $g =$
7. If $a = 3$, then $2^a =$

For questions 8-10, estimate the answer by rounding to the ones place and then applying the correct operation. Number 8 is done for you.

8. $12.2 + 4.9 = 12 + 5 = 17$
9. $18.9 - 3.6$
10. 6.9×8.2

Minute 23

1. 4^2
2. The product of 6 and 3.
3. Circle the answer that is equal to $3 \times 3 \times 3 \times 3$:

4^3	3^4
3^3	12

4. $5(3 + 5)$

Use <, >, or=to complete questions 5-7

5. 4.1 ... 6
6. 2.08 ... 2.080
7. 5.03 ... 5.4

For questions 8-10, round to the tenths place.

8. 8.842
9. 481.56
10. 0.0083

Minute 24

1. Ten cats have how many legs in all?
2. $(8 - 3 \times 2)^2$
3. 0.84×10
4. 8.23×10^2
5. 25×0.1
6. If $a = 5$ and $b = 4$, then $ab =$
7. If $a = 2$ and $b = 3$, then $aba =$

Use <, >, or = to complete questions 8–10.

8. 4.03 ... 4.01
9. 5.62 ... 8
10. 6 ... -5

Minute 25

1. $2(5)(3)$
2. 0.04×10^2
3. Identify the greatest number: 4.8, 4.08, 4.008
4. Identify the number with the least value: 2.2, 0.02, 0.2
5. 4.68×0.1

Use <, >, or =to complete questions 6 and 7.

6. $3^2 \ldots 4^2$
7. $3^2 \ldots 2^3$

For questions 8-10, round to the ones place.

8. 4.081
9. 20.65
10. 4,348

Minute 26

1. 75×75
2. $|-11|$
3. 3.26×10
4. 4.28×0.1
5. If $a = 2$ and $b = 7$, then $b^a =$
6. $8 - 2 + 4$
7. 10^3

Use <, >, or = to complete questions 8–10.

8. $14.2 \ldots 14.01$
9. $0.043 \ldots 0.5$
10. $4^2 \ldots 2^4$

Minute 27

1. $2(4)(3)$
2. Identify the pattern: 1, 3, 6, 10
3. Identify the range of the following numbers: 8, 2, 10, 4, 4, 6
4. $\frac{3+2+1}{3}$
5. What is seven and twenty-six one hundredths rounded to the nearest whole number?
6. Eight birds have how many wings in all?
7. Write 0.98989898 … using bar notation.
8. $5 + 1.2$
9. $0.403 \times 1{,}000$
10. Three thousand people plus two thousand people equal how many people?

Minute 28

1. Identify the greatest number: 0.002, 0.0021, 0.019
2. Identify the range of the following numbers: 4, 3, 3, 15, 28
3. $\frac{5-2+5}{2}$
4. Two and a half hours later than 3: 30 is what time?
5. What is the mean of 2, 7, and 9?
6. If $a = 4$, then $a^2 =$
7. The quotient of 35 divided by 5?

Use <, >, or = to complete questions 8-10.

8. 3.2×0^2 … 0.32×10^3
9. 0.04 … 0.301
10. 3 dozen donuts … 30 donuts

Minute 29

1. Identify the range of the following numbers: 100, 212, 215, 308, 303, 600
2. Write 0.43333 … using bar notation.
3. Identify the pattern: 0.5, 1, 1.5
4. What is the mean of two and twelve?
5. Identify the mode of the following numbers: 1, 1, 1, 2, 2, 3, 3, 3, 3, 3, 4, 7
6. $95 - 5$
7. The product of four and eight.
8. True or False: $3^2 = 2^3$
9. Is two dozen evenly divisible by three?
10. Two hours later than 11: 30.

Minute 30

1. $|-50|$
2. Identify the mode of the following numbers: 2, 5, 6, 6, 11, 19, 20
3. What is the range of the numbers in problem 2?
4. $\frac{5+4+1}{3+1+1}$
5. One day less than three weeks is how many days?
6. Round 18.94 to the nearest whole number.
7. Identify the number with the least value: 0.002, 0.0019, 0.0004
8. 2×0.4
9. Two snakes plus seven snakes equal how many snakes?
10. Write twenty-three thousandths in decimal form.

Minute 31

1. Two centuries and 6 decades equal how many years?
2. Write as a fraction the probability of rolling a 3 on a six-sided di.
3. Three hours later than 2: 30 is what time?
4. Identify the value that shows how much a seventh-grade student might weigh:

$500\ kg$	$50\ kg$
$5\ kg$	$100\ g$

5. Identify the greater value: 54 inches or 5 feet
6. If $5x + 1 = 21$, then $x =$
7. $\frac{1}{2} \times 18$
8. True or False: $0.054 > 0.1$
9. Are these lines parallel or perpendicular?

10. If you have read half of an 80-page book, how many pages have you read?

Minute 32

1. 42.6×100
2. If $8 + q = 12$, then $q =$
3. 47×100
4. Is 21.49 closer to 21 or 22?
5. In 5 years, Lindsey will be a teenager. How old is she now?
6. If $\frac{n}{100} = 0.2$, then $n =$
7. Two quarters is equal to how many nickels?
8. If 1 gallon has 4 quarts, how many quarts do 2 gallons have?
9. Identify the pattern: 1, 4, 9, 16
10. What is the probability of drawing a black marble from the bag?

Minute 33

1. $42.6 \div 100$
2. If $10 - n = 4$, then $n =$
3. Which number is the product: $3 \times 6 = 18$?
4. If $n \times 1 = 5 \times 2$, then $n =$
5. How many days equal 48 hours?
6. Which digit in the number 95,184 is in the thousands place?
7. $2^3 - 3^1$
8. Which number is the divisor: $5036 \div 4 = 1259$
9. If 5 circles weigh 10 pounds, how much does each square weigh?
10. Name a prime number between 12 and 16.

Minute 34

1. Two days less than four weeks is how many days?
2. Write twenty-six hundredths as a decimal.
3. Five triangles have how many sides in all?

4. Identify the ratio that shows the probability of the spinner stopping on red:

1 *out of* 4	1 *out of* 3
2 *out of* 4	2 *out of* 3

5. $|-25|$
6. $\sqrt{16}$
7. Identify the greatest number: 0.9, 0.901, 0.899
8. Five minutes less than an hour is how many minutes?

9. Round 1,894 to the nearest hundred.
10. Identify the fraction that shows the chance of rolling an even number:

$\frac{1}{6}$	$\frac{2}{3}$
$\frac{3}{2}$	$\frac{1}{2}$

Minute 35

1. Identify the value that shows how much a cow might weigh:

1,000 $lbs.$	1,000 g
1,000 $tons$	

2. 10^2
3. Six dollars equal how many pennies?
4. Name the shape?

5. $\sqrt{49}$
6. Four motorcycles have how many wheels in all?
7. 4.78×100^2
8. $0.4 + 0.3$
9. 0.4×0.3
10. The difference between 11 and 3.

Minute 36

1. Is 372 evenly divisible by 2?
2. Name the shape.

3. $3 \times 3 \times 3 \times 3$
4. $23 + 32$
5. 8^2
6. $\sqrt{36}$
7. Is 249 evenly divisible by 3?
8. If $x = 2$ and $y = 5$, then $xy =$
9. A millipede has how many legs?
10. 0.004×10^2

Minute 37

1. Is 432 evenly divisible by 4?
2. $\sqrt{100}$
3. A century has how many years?
4. $0.4 + 0.6$
5. $0.4(0.6)$
6. Identify the greater value: 0.5 or $0.\overline{5}$
7. Name the shape.

8. Is 2,112 evenly divisible by 3?
9. If $a = 8$ and $b = 2$, then $\frac{a}{b} =$
10. A pentagon has how many sides?

Minute 38

1. Is 435 evenly divisible by 5?
2. Which is greater, 2 feet or 2 meters?
3. Twelve cars have how many wheels in all?
4. Two feet are equal to how many inches?
5. $7(0.4 + 0.5)$
6. 968×0.01
7. $(0.8)(0.4)$
8. Are the two lines parallel?

9. $0 \times 3{,}133$
10. Is this figure regular or not regular?

Minute 39

1. 0.0432×10^3
2. $10^2 \times 4.1$
3. Write $\frac{1}{2}$ as a decimal.
4. If $6{,}734 = 6.734 \times 10^n$, then $n =$
5. If eleven-marbles are in each bag, how many marbles are in 5 bags?
6. Name the shape.

7. Are these lines parallel?

Use <, >, or = to complete questions 8–10.

8. 1.78 ... 1.774
9. 1.009 ... 1.1
10. 10^2 ... 1,000

Minute 40

1. A decagon has how many sides total?
2. Eight squared
3. The mean of 3, 5, and 10.
4. $\sqrt{25}$
5. Write $\frac{1}{4}$ as a decimal.

Use <, >, or= to complete questions 6-8

6. 8.2 ... 8.19
7. 0.006 ... 0.08
8. 3^2 ... $2 \times 2 \times 2$

For questions 9 and 10, round to the nearest tenths-place

9. 68.34
10. 6.834

Minute 41

1. Write 64,120 in scientific notation.
2. If $a = 6$ and $b = 8$, then $ab =$
3. 11×4
4. $5 + 6 \times 2$
5. Nine squared
6. The square root of thirty-six
7. Identify the value that is equivalent to 0.432×0.14:
8. Name the shape.

0.06	6.048
0.06048	43.2

For questions 9 and 10, round to the nearest hundredths-place.

9. 0.593
10. 0.0032

Minute 42

1. $25 + 50$
2. Identify the value that is equal to 0.62×0.4:

0.04	0.248
8.3	0.00083

3. 75×75
4. Write 5,823 in scientific notation.
5. The mean of 2, 10, and 9.
6. $0.5 + 0.2$
7. A pentomino has how many squares?

Use <, >, or = to complete questions 8–10

8. 1.49 ... 1.483
9. 3.43×10^4 ... 3.43×10^5
10. 2.900 ... 2.9

Minute 43

1. Is seventeen prime or composite?
2. Is 492 evenly divisible by 9?
3. Identify the expression that is equal to $2^2 \times 3$:

2×3	$3 \times 3 \times 2$
22×3	*or* $2 \times 2 \times 3$

4. If $2^3 \times n = 32$, then $n =$
5. $\sqrt{49}$
6. 0.0836×10^3
7. Twenty dimes equal how many dollars?
8. Identify the pattern: 1, 2, 4, 7
9. $0.02 + 0.03$
10. $16 \times \frac{1}{2}$

Minute 44

1. Factor 18 using a factor-tree.

2. Is 107 evenly divisible by 9?
3. Twelve people have how many ears in all.
4. 10^2
5. Identify the value that is equal to 0.046×0.3:

0.12	0.0138
0.128	0.00463

6. If $a = 0.5$ and $b = 8$, then $ab =$
7. $\sqrt{16}$
8. Write eight thousand four hundred thirty-six in scientific notation.
9. Is twenty-seven prime or composite?
10. Name the shape.

Minute 45

1. Forty-nine days equal how many weeks?
2. If $2 \times n \times 5 = 70$, then $x =$
3. Round 17.9 to the nearest whole number.
4. Is 845 evenly divisible by 4?
5. True or False: $\frac{1}{4} = 0.20$
6. Multiply 100 and 1.82.
7. Complete the factor tree.

Use <, >, or = to complete questions 8–10.

8. 4.82 ... 4.083
9. 3×2^2 ... 2×3^2
10. 4,183 ... 4.183×10^3

Minute 46

1. If $a = 8$ and $b = 2$, then $a/b =$
2. The mean of 1, 12, and 14
3. Two centuries are equal to how many years?
4. Identify the value that is equivalent to 0.414141414 …:

$0.4\overline{1}$	$0.41\overline{40}$
$0.\overline{41}$	*or* $0.\overline{14}$

5. Five squared
6. If $4{,}132 = 4.132 \times 10^{a}$, then $a =$
7. Is 7 prime or composite?
8. Identify the pattern: 2, 12, 22, 32
9. True or False: Prime factors of 25 are 5 and 2?

10. What is one hundred divided by ten?

Minute 47

1. If $\frac{4}{16} = \frac{x}{4}$, then $x =$
2. What fraction does the shaded portion of the box represent?

3. $\frac{52}{50} = x\%$
4. Two flags with 50 stars each have how many stars in all?
5. If $\frac{4}{8} = \frac{x}{2}$, then $x =$
6. $\frac{90}{100} = x\%$

7. If $24 = 2 \times 2 \times 2 \times n$, then $n =$
8. In the number 54,631, what digit is in the ten thousands place?
9. Name the shape.
10. What is thirty plus thirty?

Minute 48

1. Multiply 0.023 and 10^2.
2. $\frac{41}{100} = x\%$
3. What fraction does the shaded portion of the box represent?

4. $44.68 + 10$
5. $\sqrt{121}$
6. If $a = 8$ and $b = 4$, then $ab =$
7. $2 \times 3 \times 5$
8. $0 \times 5{,}123$
9. $\frac{8}{10} = x\%$
10. If $\frac{1}{3} = \frac{m}{9}$, then $m =$

Minute 49

1. Is thirty-three prime or composite?
2. Write 76% as a decimal.
3. Identify the pattern: 1, 4, 7, 10
4. $0.5 + 0.42$
5. 9^2
6. What fraction does the shaded portion of the circle represent?

7. If $\frac{1}{7} = \frac{3}{n}$, then $n =$
8. $1.2 + 2.2$
9. The sum of 8 and 9.
10. Name the shape.

Minute 50

1. 6.2×10
2. If an ant has six legs, then how many legs do eight ants have in all?
3. List the factors of 12.
4. $5(8 + 2)$
5. If $n - 8 = 2$, then $n =$
6. 5^2
7. If $x = 2$ and $y = 6$, then $xy =$
8. π
9. $0 \div 11$
10. Round eighteen and ninety-four hundredths to the nearest whole number.

Minute 51

1. $4^2 =$
2. If $36 = n^2$, then $n =$
3. Three hours from the time shown would be?

4. $7 + 3.4$
5. What are the first three multiples of 4?
6. List the factors of 20.
7. $8x = 96$
8. π
9. If $n \div 4 = 6$, then $n =$
10. If $5(n - 2) = 35$, then $n =$

Minute 52

1. 9×9
2. Round 0.789 to the nearest tenth.
3. Use exponents to write $4 \times 4 \times 4 \times 4$.
4. $2 + 36 \div 6$
5. $12d \div 10$
6. π
7. If $\frac{n}{3} = 2$, then $n =$
8. If $n = 2$, then $8n =$

Use <, >, or = to complete questions 9 and 10.

9. 1.34 ... 1.308
10. 9^2 ... 3^4

Minute 53

1. If $\frac{3}{5} = \frac{x}{50}$, then $x =$
2. List the first three multiples of 5.
3. $\frac{45}{100} = x\,\%$
4. If $n^2 = 64$, then $n =$
5. What are the factors of 18?
6. $\frac{12}{4}$
7. $2^2 \times 3$
8. If $a = 1$, $b = 2$, and $c = 3$, then $abc =$
9. Seventy-three out of 100 is what percent?
10. Is this a regular polygon?

Minute 54

1. Identify the value of the probable length of a paperclip:

3 mm	3 cm
3 m	3 km

2. $4(2 + 3)$
3. $0 \times 5{,}842$
4. π
5. List the first three multiples of 10.
6. Is 13 prime or composite?
7. True or False: $16 = 3^2 \times 2$
8. If $16\% = \frac{x}{100}$, then $x =$
9. Is 4,032 evenly divisible by 3?
10. What fraction does the shaded portion of the circle represent?

Minute 55

1. Eight out of 100 is equal to what percent?
2. $\frac{18}{100} = x\ \%$
3. What fraction does the shaded portion of the box represent?

4. 65×65
5. 10×8.4
6. Simplify: $\frac{18}{24}$
7. List the first three multiples of 9.
8. List the Factors of 6.
9. Is 432 evenly divisible by 9?
10. True or False: $3^2 \times 7 = 63$

Minute 56

1. $\sqrt{100}$
2. $\frac{20}{100} = x\ \%$
3. If $65\% = \frac{x}{100}$, then $x =$
4. Simplify: $\frac{8}{32}$
5. What are the factors of 15?
6. List the first three multiples of 7.
7. Is 10, 032 evenly divisible by 3?

Use <, >, = to complete questions 8-10.

8. $10^2 \ldots \frac{1{,}000}{10}$
9. $0.042 \ \ldots \ 0.05$
10. $32\% \ \ldots \ 32:100$

Minute 57

1. Simplify: $\frac{5}{15}$
2. Identify the greater number: 0.8 or 0.0763
3. If $a = 12$ and $b = 100$, then $\frac{a}{b} = x\ \%$
4. Is 509 evenly divisible by 4?
5. List the factors of 14.
6. List the first three multiples of 2.
7. Identify the value that shows the length of this ticket:

$4\ km$	$4m$
$4cm$	$4\ mm$

Use <, >, = to complete questions 8–10.

8. 38% … 0.33
9. 3^2 … 2^4
10. $\frac{4}{16} \ldots \frac{1}{4}$

Minute 58

1. If $a = 1.2$ and $b = 10$, the $ab =$
2. If $\frac{12}{100} = \frac{x}{50}$, then $x =$
3. List the factors of 24.
4. $0:100 = x\ \%$
5. $\frac{14}{2}$
6. $\sqrt{36}$
7. 4^2
8. Identify the value that shows the length of this pencil:

$5\ cm$	$25\ cm$
$50\ cm$	$75\ cm$

9. Four feet is equal to how many inches?
10. Write twenty-three thousandths as a decimal.

Minute 59

1. Write 98% as a decimal.
2. Identify the greater value: 65% or $\frac{7}{10}$
3. 5.234×10
4. Round 8.546 to the nearest tenth.
5. 2^3
6. 10π
7. If $\frac{6}{18} = \frac{x}{6}$, then $x =$
8. Thirty-six eggs are equal to how many dozen eggs?
9. Estimate: $8.2 \div 4.9$
10. What fraction does the shaded portion of the circle represent?

Minute 60

1. Write $\frac{35}{100}$ as a decimal.
2. $\frac{3}{4} = x\ \%$
3. If $\frac{1}{2} = \frac{s}{8}$, then $s =$
4. Identify the greater value: 0.049 or 0.08
5. Round 15.402 to the nearest tenth.
6. If $\frac{1}{3} = \frac{t}{60}$, then $t =$
7. Write 2: 7 as a fraction.
8. If $a = 100$ and $b = 0.06$, then $ab =$
9. $0 \div 38$
10. Name the shape.

Minute 61

1. Write 0.12 as a percent.
2. Is 19 a prime number?
3. $\frac{1}{4} = x\ \%$
4. List the first three multiples of 5.
5. Round 14.9631 to the nearest tenth.
6. How many times must a three-minute timer be flipped to measure a half-hour?
7. Is 817 evenly divisible by 4?
8. Identify the greater value: 4^2 or $8(3 + 4)$
9. If $41{,}232 = 4.1232 \times 10^m$, then $m =$
10. Is twenty-four prime or composite?

Minute 62

1. Which number is in the hundredths place? 13,328.96
2. Circle the answer that is equal to v^6:
3. What is the temperature?
4. $\sqrt{25}$
5. If $100 = 10k$, then $k =$
6. $\frac{10}{2}$
7. 3.38×100
8. What is the sum of two hundred and four hundred?
9. What is the smallest two-digit prime number?
10. (2)(3)(4)

$v + v + v + v + v + v$	$6v$
$v^3 + v^3$	$v \times v \times v \times v \times v \times v$

Minute 63

1. Identify the greater number: $\frac{3}{4}$ *or* 0.5
2. If $a = 8$, then $a^2 =$
3. Which number is the divisor? $9252 \div 18 = 514$
4. $6(6 + 2) =$
5. $\sqrt{10 \times 10}$
6. $\frac{1}{4} + \frac{2}{4}$
7. What is the total cost of an item priced \$4.95 if there is 5% sales tax?

Use <, >, or = to complete question 8-10.

8. 0.0083 ... 0.01
9. 23 ... 5 + 3
10. 1,000,000 ... *One million*

Minute 64

1. Reduce: $\frac{21}{28}$
2. If $22.009 = 22 + \frac{x}{1000}$, then $x =$
3. List the factor of 8.
4. $12(3)$
5. $\frac{1}{8} + \frac{2}{8}$
6. Identify the measurement that shows the greatest length:

$15\ in$	$2\ ft.$
$25\ cm$	$1m$

7. Is 312 evenly divisible by 2?
8. If $ab = 10$ and $b = 2$, then $a =$
9. 1^3
10. $4 + 2.5$

Minute 65

1. Write 28% as a decimal.
2. The Least Common Denominator of four and five.
3. Reduce: $\frac{5}{40}$
4. $\frac{4}{10} = x\ \%$
5. If $ac = 20$ and $a = 10$, then $c =$
6. $\frac{3}{7} - \frac{1}{7}$
7. $\sqrt{5 \times 5}$
8. List the factors of 25.
9. $0.40 + 0.05$
10. If $10w = 50$, then $w =$

Minute 66

1. 4^2
2. $5 + 2(4 + 1)$
3. If $5\frac{1}{2} = \frac{x}{2}$, then $x =$
4. Arithmetic Sequence or Geometric Sequence: 1, 2, 4, 8…
5. Write $\frac{1}{3}$ as a decimal.
6. Identify the greater value: $\frac{2}{3}$ or $\frac{7}{11}$
7. What is the area of the rectangle?

8. What is the perimeter of the rectangle shown in question 7?
9. Which value is equal to 5.128888 …:

$5.\overline{128}$	$5.\overline{12}$
$5.12\,\overline{88}$	$5.12\,\overline{8}$

10. Round 1,286 to the nearest hundred.

Minute 67

1. $0.4 + 0.7 + 0.3$
2. Is 80,100 evenly divisible by 3?
3. Eight weeks $= x$ days
4. If $3\frac{2}{3} = \frac{x}{3}$, then $x =$
5. Write $\frac{1}{4}$ as a decimal.

6. Write eight thousand one hundred twenty-three in scientific notation.
7. If $b = 10$ and $h = 2$, then $bh =$
8. What is the area of the rectangle?
9. What is the perimeter of the rectangle shown in question 8?
10. What is the diameter of the circle?

Minute 68

1. How many points ahead are the eagles?

Basketball	
Eagles	46
Stars	32

2. Identify the pattern: 3, 4.5, 6, 7.5
3. What odd number does x equal? $11 < x \leq 13$
4. $2^3 \times 3$
5. What is the area?
6. What is the perimeter of the rectangle shown in question 5?

7. $10.5 + \frac{1}{2}$
8. If $w \times 100 = 1{,}000$, then $w =$
9. The absolute value of (-7).
10. A negative number times a negative number is a positive or negative?

Minute 69

1. If $l = 8, w = 2$, and $h = 1$, then $lwh =$
2. Which is the dividend? $42 \div 6 = 8$
3. $3(2 + 3 + 1)$
4. 0.244×10
5. True or False: 1 $meter = 100$ $centimeters$
6. What shape is a stop sign?
7. If $s = 3$, then $4s^2$
8. If $10w = 50$, then $w =$
9. What is the perimeter of the square?
10. What is the area of the square shown in question 9?

Minute 70

1. Seven dollars is equal to how many pennies?
2. Write $\frac{9}{4}$ as a mixed number.
3. Write $\frac{3}{4}$ as a decimal.
4. $0.2 + 0.25$
5. If $a = 3$ and $b = 9$, then $\frac{b}{a} =$
6. $24 \times \frac{1}{2} =$
7. $\left(\frac{1}{7}\right)\left(\frac{1}{8}\right)$
8. What is the perimeter of the rectangle?

9. What is the area of the rectangle shown in question 8?
10. Area is always measured in what kind of units?

Minute 71

1. 0.046×10^2
2. If $w = 2$, then $5w^2$
3. $\frac{1}{2(4+2)}$
4. $\frac{1}{2} \times \frac{1}{7}$
5. What is the perimeter of the shape?

6. The product of 6 and 7.
7. $4 + 3 \times 2$
8. What is the reciprocal of $\frac{4}{9}$?
9. Write $\frac{13}{4}$ as a mixed number.
10. Write $\frac{1}{4}$ as a decimal.

Minute 72

1. 52×10^2
2. If $a = \frac{1}{2}$ and $b = \frac{1}{3}$, then $ab =$
3. $\frac{1}{2(4\times2)} =$
4. What is the reciprocal of $\frac{7}{5}$?
5. Reduce: $\frac{12}{36}$
6. Write $5\frac{1}{4}$ as an improper fraction.
7. What is the perimeter of the triangle?

8. Write $\frac{1}{3}$ as a decimal.
9. What is the area of a box that is eight by four by two?
10. Arithmetic Sequence or Geometric Sequence: 10, 13, 16, 19…

Minute 73

1. Reduce: $\frac{3}{12}$
2. True or False: $\frac{8}{12} = \frac{2}{3}$
3. If $6c = 42$, then $c =$
4. $(-8)(-4)$
5. $5 - (-8)$
6. If $-4a = -20$, then $a =$
7. Write 12% as a decimal.
8. What is the area of the rectangle?

9. What is the perimeter of the rectangle shown in question 8?
10. The square root of 36.

Minute 74

1. Simplify: $\frac{3}{6}$
2. If $(-6)(-4) = b$, then $b =$
3. If $l = 2$, $w = 3$, and $h = 4$, then $lwh =$
4. What is the area of this shape?

5. Are these lines perpendicular?

6. Two hours equal how many minutes?
7. Round 18.24 to the ones place.
8. $12 - (-4)$
9. $(-4) - (-5)$
10. If $x - 2 = 3$, then $x =$

Minute 75

1. $\frac{1}{2(16)}$
2. Round 0.36444 … to the nearest thousandths place.
3. If $x + 4 = 6$, then $x =$
4. How many degrees is angle x?

5. What quadrant is the point $(-4, 4)$ in?
6. If $-8x = 24$, then $x =$
7. Draw the line(s)of symmetry for the letter **H**.

8. 7^2
9. The square root of sixteen.
10. True or False: $5\% = 0.5$

Minute 76

1. What quadrant is the point $(-4, -7)$ in?
2. A triangle has how many degrees?
3. Define: perpendicular lines.
4. Reduce: $\frac{9}{21}$
5. What kind of angle is this?
6. $4 - (-3)$
7. Three hours later than nine o' clock is?
8. If $a = 10$, then $a^2 =$
9. 13×3
10. List the factors of 15

Acute	Obtuse
Right	

Minute 77

1. What quadrant is the point $(-4, 5)$ in?
2. The square root of 64
3. If $b^2 = 81$, then $b =$
4. True or False: Squares and square roots are the same thing?
5. $\frac{12}{2}$
6. Seven squared
7. Which expression shows 8 times a number:
8. List the factors of 18.
9. Perpendicular lines never intersect. True or False
10. $10(4 + 2) - 10$

$8 + n$	$\frac{n}{8}$
$n - 8$	$8n$

Minute 78

1. What is the area of the rectangle?

2. What is the reciprocal of $\frac{8}{11}$?

3. $\left(\frac{1}{4}\right)\left(\frac{1}{3}\right)$

4. Which expression shows 8 divided by a number:

$8 \times n$	$8n$
$8(n)$	$\frac{8}{n}$

5. If $a = 25$, the $\sqrt{a} =$

6. What is the perimeter of this shape?

7. What is the shape shown in question 6 called?

8. What is the mean of two, five, and eleven?

9. What is the product of four and nine?

10. $43.2 \div 100$

Minute 79

1. One thousand nine hundred ninety-nine minus one thousand nine hundred ninety-eight.
2. Identify which of these numbers is a multiple of 5 and 6:

10	15	18
24	30	

3. Round 15,132 to the nearest hundredth.
4. Identify the fraction that represents the least value:

$\frac{1}{7}$	$\frac{1}{3}$
$\frac{1}{10}$	

5. Which number is the divisor: $76{,}752 \div 246 = 312$
6. If $30 - x = 15$, then $x =$
7. What is the area of the square?
8. What is the perimeter of the square shown in question 7?

9. $-8 + (-6)$
10. $(-8)(-6)$

Minute 80

1. How many hours did Martha probably slept last night: 24, 30, 19, or 8?
2. Four quarters and three dimes is how much money?
3. Which expression shows 15 more than a number:
4. What is the area of this shape?

$y + 15$	$15y$
$\frac{15}{y}$	$y - 15$

5. Jon picks eight apples, eats three of them, and then picks two more. How many apples does he have now?
6. Which value shows the height of this drawing:

7. If $10 + x = 30$, then $x =$
8. Which is the numerator: $\frac{5}{11}$
9. $(-7)(-6)$
10. $-5 + (-6)$

Minute 81

1. $7 \times 8 \times 5 \times 0 \times 9$
2. What is the area of the shape?

3. $\$1 - \$0.56$
4. What is the perimeter of the rectangle?
5. Identify the numbers that have the same value:

0.5	5	$\frac{1}{2}$
$\frac{5}{10}$	0.05	0.50

6. Three hours and seventy-five minutes is the same as four hours and how many minutes?
7. Shade 25% of this box.

8. How are two lines that are parallel to each other different from any other two lines?
9. Describe lines that are perpendicular to each other.

10. 0.5(10)

Minute 82

1. $27 \times 8 \times 15 \times 0 \times 11$
2. What is the area of the triangle?
3. What is the perimeter of the triangle shown in question 2?
4. Multiply 2.46 by 100.
5. Identify the pattern: $1.39, $1.29, $1.19
6. Scott made six out of ten baskets. What percent is this?
7. Three weeks and two-days equal how many days?
8. What is the volume of this shape?
9. Which is longer, 10% of a mile or 100% of a meter?
10. Diagram 75% of this box.

Minute 83

1. Farmer Brown has ten chickens. He sells all but four of them. How many chickens does he have left?
2. $3 + 4 \times 2$
3. Twelve quarters is equal to how many dollars?
4. $10\%\ of\ 60$
5. 8^2
6. Jo made eight out of ten baskets. What percent is this?
7. What is the area of a rectangle that is *eight inches* by *five inches*?
8. What is the volume of this shape?

9. The absolute value of -12.
10. How many lines of symmetry does the letter **V** have?

Minute 84

1. In the number 923, how many tens are there?
2. $2 \times 8 - 4$
3. What is the volume of the shape?

4. If $a = 64$, then $\sqrt{a}$
5. Paula had thirty dollars in five-dollar bills. How many bills did she have?
6. Round 173 to the nearest ten.
7. What is the perimeter of a triangle with sides of $eight\ cm$, $six\ cm$, and $one\ cm$?
8. Find the area of a 5 $meter$ square.
9. Identify the product: $8 \times 6 = 48$
10. How many sides does a pentagon have total?

Minute 85

1. What part of an hour is thirty minutes?
2. Are railroad tracks parallel or perpendicular?
3. Joe earns twenty-five cents each time he walks the dog. How much can he make in a week if he walks the dog twice each day?
4. 8×4
5. A rectangle has how many sides total? How many angles?
6. One dollar minus eighty-five cents?
7. $One\ ton = x\ pounds$
8. $14 \div 7$
9. $\sqrt{81}$
10. $0 \times 1{,}000$

Minute 86

1. Round $26.59 to the nearest dollar.
2. Are the seat and the back of this chair parallel or perpendicular?
3. A triangle has how many vertices?
4. There are how many feet in one yard?
5. True or False: All the radii in a circle are the same length?
6. If $7(2 + n) = 21$, then $n =$
7. Is 46 evenly divisible by 2?
8. There are how many hours in a day?
9. $8 - 3 + 3 =$
10. $4 \times 6 \times 1$

Minute 87

1. Water freezes at what temperature Fahrenheit?
2. $2 \times 100 \times 3$
3. A cube has how many faces total?
4. True or False: A shape always has one line of symmetry?
5. What does the prefix kilo mean?
6. Write $13 \times 13 \times 13$ using exponents.
7. Two radii equal one diameter. True or False
8. $(8 + 2) - (5 + 2)$
9. A letter used to represent an unknown number is called?
10. The distance around a polygon is called?

Minute 88

1. Round $46.28 to the nearest $10.
2. What number is 60,000 + 1,000 + 400 + 8?
3. Two tons' equals how many pounds?
4. Are lines that never intersect parallel or perpendicular?
5. One pound is equal to how many ounces?
6. Write the first three multiple of eight.
7. Is a house measured in meters or kilometers?
8. Estimate the sum for 2.9 + 3.2.
9. What fraction of an hour is fifteen minutes?
10. Identify the prime numbers: 10, 11, 12, 14, 15

Minute 89

1. What is the area of the rectangle?

2. What number is $5{,}000 + 300 + 40 + 2$?
3. What is the reciprocal of $\frac{4}{11}$?
4. Write $5\frac{1}{2}$ as an improper fraction.
5. 10^3
6. There are how many months in a year?
7. What is the mean of 2, 4, and 6?
8. A bus travels at 50 miles per hour for 3 hours. How many miles did it go?
9. $8 - 2 + 4$
10. $0 \div 11$

Minute 90

1. What is the area of the rectangle?

2. GCF stands for what mathematical phrase?
3. What shape is this?

4. True or False, one is a factor of every number.
5. If $7 \times n = 42$, then $n =$
6. What is 3 more than 5×3?
7. Add four to the product of two and ten.

Use <, >, or = to complete questions 8–10.

8. *Two tons* ... 4,132 *pounds*
9. *One kilometer* ... *One meter*
10. $\frac{1}{2}(10)$ ... $2(2.5)$

Minute 91

1. What percentage of people like Station A?
2. Reduce: $\frac{10}{35}$
3. 9^2
4. If $b^2 = 16$, then $b =$
5. $10(4 + 3)$
6. If $10\% = \frac{x}{100}$, then $x =$
7. My book has 120 pages. If I have read half of it, how many pages have I read?
8. Which digit is in the thousands place: 998,104
9. $0.003 + 0.0005$
10. What is the product of six and eight?

Minute 92

1. What is the Least Common Denominator of $\frac{1}{3}$ and $\frac{1}{5}$?
2. One gallon equals how many quarts?
3. List the factors of 21.
4. $\frac{5}{9} + \frac{1}{9}$
5. If you flip a coin, what is the probability of getting tails?
6. If you have eight boxes of crayons and ten crayons per box, how many crayons are there in all?
7. What percent does the shaded portion of the box represent?

8. True or False, If $a = 4$ and $b = 4$, then $ab = a^2$?
9. Huck Finn has 180 pages. One quarter of it, has how many pages?
10. Twenty percent is equal to what decimal?

Minute 93

1. Which is the greater value: $\frac{4}{7}$ or $\frac{6}{10}$
2. $\frac{1}{5} + \frac{1}{5}$
3. Which value is equivalent to 30%:3/100, 3/10, 3/5, or 1/3
4. The Least Common Denominator of $\frac{1}{2}$ and $\frac{1}{8}$?
5. If $a = \frac{1}{2}$ and $b = 10$, then $ab =$
6. 42.381×10^2
7. Round 12,320 to the nearest hundred.
8. What is the difference between 8 and 14?
9. What score is shown on the dartboard?

10. Simplify: $\frac{4}{20}$

Minute 94

1. The Least Common Denominator of $\frac{1}{4}$ and $\frac{2}{5}$?
2. A single scoop of ice cream costs $1.58. A double scoop costs $1.80. How much more is the double scoop?
3. How much more liquid is needed to reach the 8 level?

4. List two ways you can make $2.50 in change.
5. The absolute value of -22?
6. $One\ kilometer = x\ meters$
7. Which is the greater value: 2^8 or 8^2
8. $4\ weeks = x\ days$
9. Identify the composite numbers: 4, 5, 8, 9, 11
10. Reduce: $\frac{4}{24}$

Minute 95

1. If $3(4 + 2) = 2 \times 5 + x$, then $x =$
2. What is shown on the speedometer?

3. The sum of 8 and 14.
4. What is the diameter of the circle?

5. 1^{17}
6. Write $\frac{13}{5}$ as a mixed number.
7. What is the largest multiple of 5 that is less than 24?
8. $200 \div 100$
9. If $3(1 + m) = 15$, then $m =$
10. An Octagon has how many sides total?

Minute 96

1. What is the radius of the circle?
2. 10^8 is the same as 1 followed by how many zeros?
3. If $10{,}000 = 10^k$, then $k =$
4. Identify the pattern: 1, 7, 13, 19
5. $\frac{2}{3} \times 1\frac{1}{2}$
6. If $15 \div s = 1$, then $s =$

Use <, >, or= to complete questions 7-10.

7. Five weeks … One month
8. Three feet … One yard
9. $\frac{1}{2} \ldots \frac{1}{3}$
10. $3\frac{1}{2} \ldots \frac{7}{2}$

Minute 97

1. $(3 \times 1{,}000) + (2 \times 100) + (5 \times 10)$
2. If $3.4 = \frac{j}{8}$, then $j =$
3. $3 + 4 \times 6$
4. If $ab = 20$ and $a = 4$, then $b =$
5. Write $3\frac{1}{3}$ as an improper fraction.
6. How many centimeters of rain were there in March?

7. $\frac{32}{(4\times2)} \times 4$
8. Ten centuries equal how many years?
9. Identify the prime numbers: 2, 3, 8, 11, 13
10. If $a - 8$, then $a^2 =$

Minute 98

1. $(5 \times 1{,}000) + (6 \times 10)$
2. If the train left at 5: 48 $p.m.$ and arrived at 6: 20 $p.m.$, how long was the trip?
3. How many wheels are on the train shown in question 2?
4. Identify the numerator: $\frac{3}{8}$
5. What is the mean of 3, 7, 17?
6. $\frac{1}{5} = x\ \%$
7. $\sqrt{49}$
8. If $\frac{x}{1000} = 0.019$, then $x =$
9. $\frac{1}{2} \times 12$
10. Forty-eight $inches = x\ feet$

Minute 99

1. $\frac{1}{3} \times \frac{2}{5}$
2. $\left(\frac{1}{2}\right)\left(\frac{1}{4}\right)$
3. If $a = 2$ and $b = 4$, then $\frac{a}{b} =$
4. Write $5\frac{1}{2}$ as an improper fraction.
5. $0.3 + 0.4$
6. Identify the greater value: $\frac{3}{4}$ or $\frac{3}{5}$
7. Write $\frac{1}{2}$ as a decimal.
8. When the time is 8: 10, the minute hand is on what number?
9. $\frac{43}{100} \times 100$
10. If three people are sharing this pizza, how many pieces will each person get?

Minute 100

1. Identify the value that shows about how long your bed is:
2. $1\frac{1}{2}\ hours = x\ minutes$
3. $(-4) + (-7)$
4. What number is missing: 16, 14, 12, 10, 8, 4, 2
5. Identify the greater value: 0.005 or 0.5
6. Thirty-two $ounces = x\ pounds$
7. Fourteen is how many more than a dozen?
8. True or False: The product of eight and one is more than their sum?
9. Which letter has one line of symmetry: O, R, E, S
10. What does three to the second power equal?