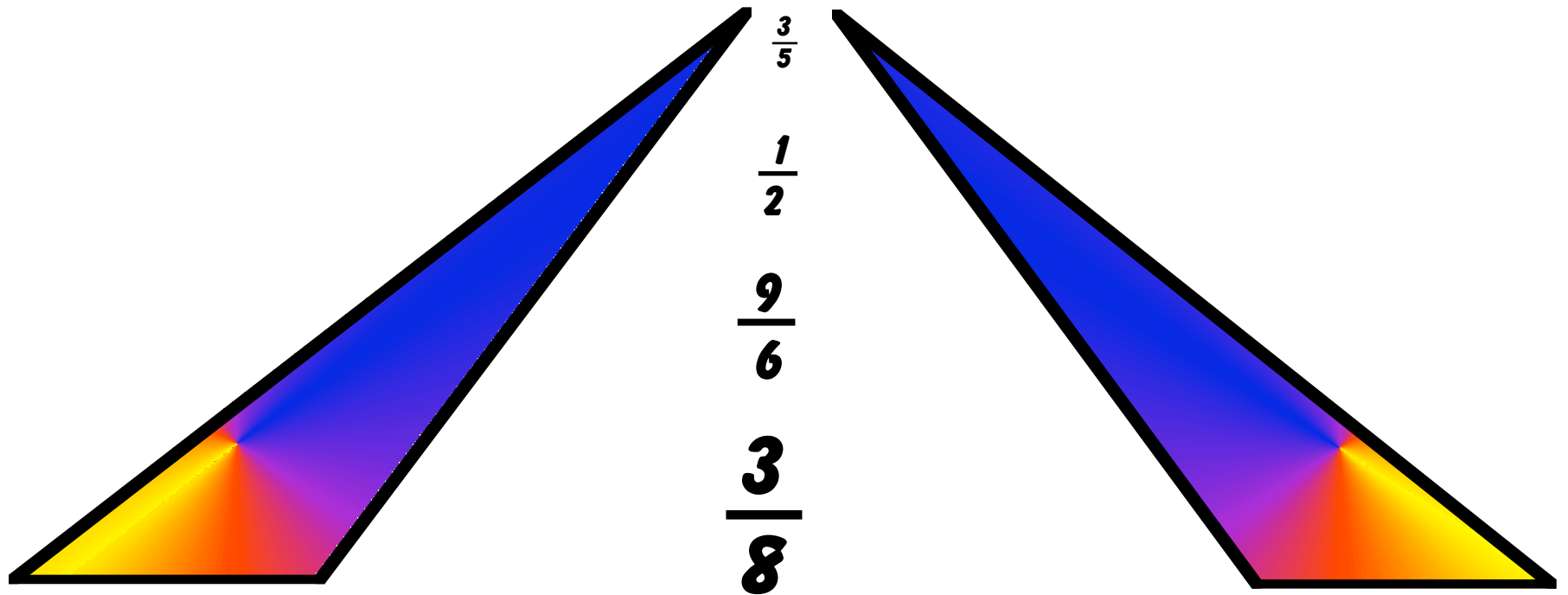


FRACTION ALLEY



***ELEMENTARY QUESTION AND ANSWER LIBRARIES:
3RD GRADE • 4TH GRADE
5TH GRADE***

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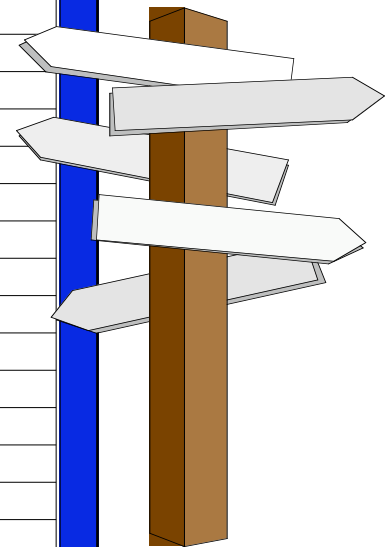
FRACTION ALLEY

3RD GRADE BLOCK



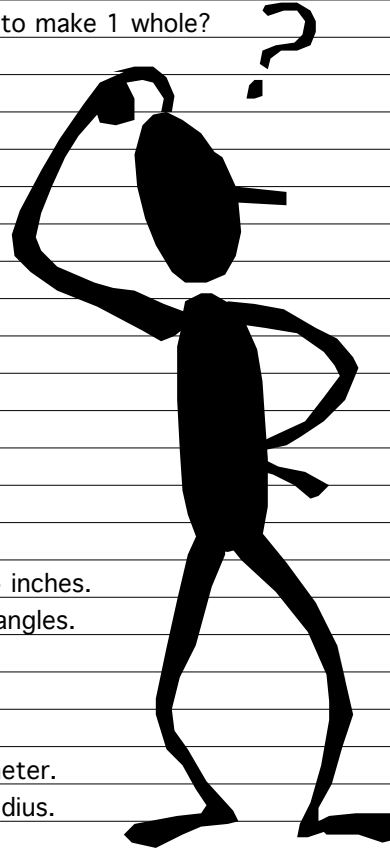
0.5	What is the value of the number in the tens place for the number 4,567?	60
1	What is the value of the number in the hundreds place for the number 1,208?	2 hundred
1.5	Which number is in the ten thousands place for the number 345, 698?	4
2	$234 + 58 =$	292
2.5	$300 - 160 =$	140
3	Use repeated addition, in the shortest way, to represent the problem 4×10 .	$10 + 10 + 10 + 10$
3.5	Use repeated addition, in the shortest way, to represent the problem 3×21 .	$21 + 21 + 21$
4	Use repeated addition, in the shortest way, to represent the problem 3×15 .	$15 + 15 + 15$
4.5	What is the sum of the first 5 whole numbers greater than 0?	15
5	What is the sum of the first 5 odd whole numbers greater than 0?	25
5.5	The sum is an answer to this type of problem.	addition
6	The product is the answer to this type of problem.	multiplication
6.5	The quotient is the answer to this type of problem.	division
7	The difference is the answer to this type of problem.	subtraction
7.5	Round to the nearest ten and estimate the sum of 22 and 69.	90
8	Round to the nearest ten and estimate the sum of 8,19, 28.	60
8.5	Which is 523 closer to, 500 or 600?	500
9	Multiply $9 \times 9 \times 1$.	81
9.5	Use repeated addition to represent the problem 4 times 5.	$4+4+4+4+4$ or $5+5+5+5$
10	Multiply $4 \times 1 \times 6$.	24
10.5	There are 7 days in one week, how many days are in 4 weeks?	28 days
11	There are 12 eggs in one dozen, how many eggs are in 3 dozen?	36
11.5	There are 4 quarts in one gallon, how many quarts are in 5 gallons?	20 quarts
12	Round to the nearest ten and estimate the product of 9 and 12.	100
12.5	Round to the nearest ten and estimate the product of 18 and 9.	200
13	Multiply 23×10	230
13.5	Use repeated addition to represent the problem 3 times 4.	$4+4+4$ or $3+3+3+3$
14	Multiply 59×100	5900
14.5	$15 \text{ times } 12 = 180$. What is 180 divided by 15?	12
15	$11 \text{ times } 24 = 264$. What is 264 divided by 24?	11

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15.5	4/5 refers to 4 equal pieces when how many equal pieces are needed to make 1 whole?	5
16	3/8 refers to 3 equal pieces when how many equal pieces are needed to make 1 whole?	8
16.5	9/10 refers to 9 equal pieces when how many equal pieces are needed to make 1 whole?	10
17	6/7 refers to 6 equal pieces when how many equal pieces are needed to make 1 whole?	7
17.5	Is the fraction 6/8 less than one, equal to one, or greater than one?	less than one
18	Is the fraction 5/3 less than one, equal to one, or greater than one?	greater than one
18.5	Is the fraction 7/7 less than one, equal to one, or greater than one?	equal to one
19	Is the fraction 9/8 less than one, equal to one, or greater than one?	greater than one
19.5	Is the fraction 3/3 less than one, equal to one, or greater than one?	equal to one
20	Is the fraction 1/2 less than one, equal to one, or greater than one?	less than one
20.5	Which has more vertices, a parallelogram or an isosceles triangle?	parallelogram
21	Which has more vertices, a square or a rectangle?	both have the same number
21.5	Which has more vertices, a hexagon or a rhombus?	hexagon
22	There are 24 hours in one day, how many hours are in 3 days?	72 hours
22.5	There are 24 hours in one day, how many hours are in 2 days?	48 hours
23	How much time has elapsed from 2:15 pm to 3:45 pm?	1 hour 30 min. or 1 1/2 h
23.5	How much time has elapsed from 10:15 am until noon?	1 h and 45 min. or 1 3/4 h
24	Find the perimeter of a square with sides measuring 4 inches.	16 inches
24.5	Find the perimeter of a rectangle with sides measuring 3 inches and 4 inches.	14 inches
25	The diagonal of a rectangle divides the rectangle into what kind of triangles.	right triangles
25.5	How many diagonals can be drawn on a triangle?	zero
26	Do square inches refer to perimeter or area?	area
26.5	An equilateral triangle has this many congruent sides.	3
27	TRUE or FALSE: The radius of a circle is twice the length of the diameter.	FALSE
27.5	TRUE or FALSE: The diameter of a circle is twice the length of the radius.	TRUE
28	Create a true equation using the numbers 20, 6, and 14.	20-6=14 or 6+14=20
28.5	Create a true equation using the numbers 5, 20 and 4.	4x5=20 or 20/5=4 or 20/4=5
29	TRUE OR FALSE: The numerator in the fraction 3/4 is an odd number.	TRUE
29.5	TRUE OR FALSE: The denominator in the fraction 4/7 is an even number.	FALSE
30	A scalene triangle has this many congruent sides.	0
30.5	Every isosceles triangle has this many congruent sides and this many congruent angles.	2
31	The distance from Atlanta to Chicago should be measured in what unit?	Kilometers or miles
31.5	Given \$4.65, make change from a \$5.00 bill.	\$0.35
32	Given \$2.95, make change from a \$5.00 bill.	\$2.05
32.5	Find the perimeter of a square with sides measuring 8 inches.	32 inches



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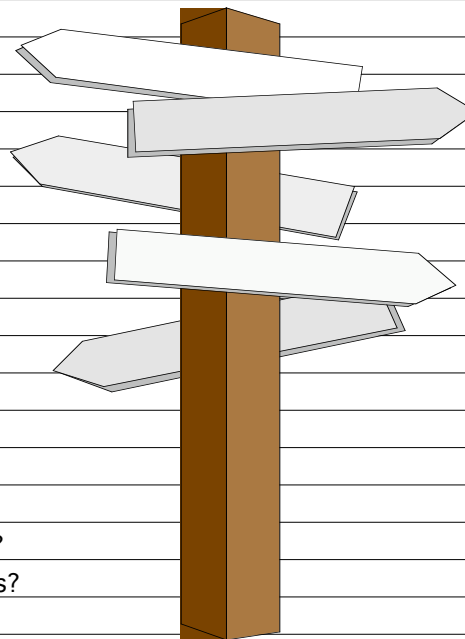
33	Find the product of the first 3 even numbers greater than 0.	48
33.5	Add. $456 + 25 =$	481
34	Subtract. $650 - 225 =$	425



FRACTION ALLEY

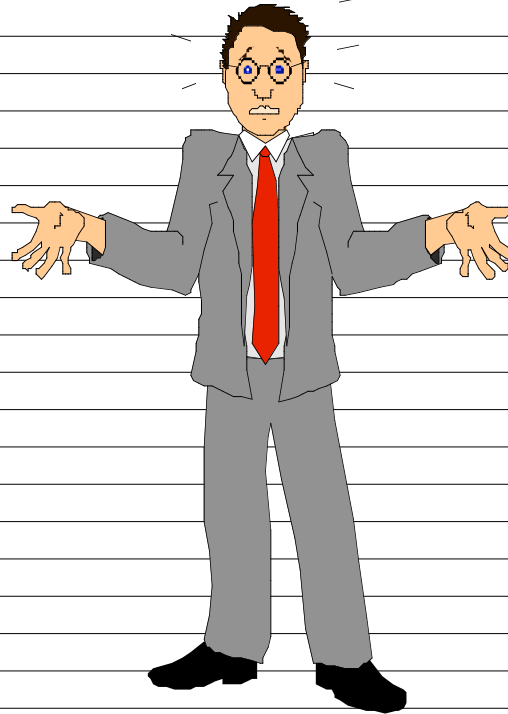
4TH GRADE BLOCK

0.25	Write the following number in standard form: two thousand, three hundred three.	2,303
0.5	Write the following number in standard form: one-hundred-one thousand, eleven	101,011
0.75	Write the following number in standard form: one million, eighteen thousand, eight.	1,018,008
1	Write the following number in standard form: nine million, two hundred thirty thousand, four hundred five.	9,230,405
1.25	Write the following number in standard form: $2(100) + 3(10) + 9(1)$.	239
1.5	Write the following number in standard form: $4(1,000,000) + 9(100,000) + 4(1,000) + 5(100) + 3(10)$.	4,904,530
1.75	Write the following number in standard form: $6(100,000) + 5(100) + 7(1)$.	600,507
2	Write this number in word form: 33	thirty-three
2.25	Write this number in word form: 5,030	five thousand, thirty
2.5	What is the value of the 3 in the number: 13,789?	3 thousand
2.75	What is the value of the 3 in the number: 39.6?	30
3	What is the value of the 3 in the number: 56.305?	3 tenths
3.25	What is the value of the 3 in the number: 678.437?	3 hundredths
3.5	What is the value of the 3 in the number: .003?	3 thousandths
3.75	What place value does 5 represent in the number 345,621?	thousands
4	What place value does 5 represent in the number 75.34?	ones
4.25	What place value does 5 represent in the number 5,934,986.23?	millions
4.5	What place value does 5 represent in the number 789.54?	tenths
4.75	What place value does 5 represent in the number 992.15	hundredths
5	What place value does 5 represent in the number 753.08	tens
5.25	What is the answer to an addition problem called?	sum
5.5	What is the answer to a multiplication called?	product
5.75	What is the answer to a division problem called?	quotient
6	What is the answer to a subtraction problem called?	difference
6.25	Whole numbers that are divisible by two are what kind of numbers?	even
6.5	Whole numbers that are not divisible by 2 are what kind of numbers?	odd
6.75	Find the sum of the first 5 whole numbers greater than one.	20
7	Find the sum of the first 5 even whole numbers greater than one.	30
7.25	Find the sum of the first 5 odd numbers greater than one.	35
7.5	Which is 456 closer to, 400 or 500?	500
7.75	Which is 6,234 closer to, 6,000 or 7,000?	6,000
8	Which is 151 closer to, 100 or 200?	100



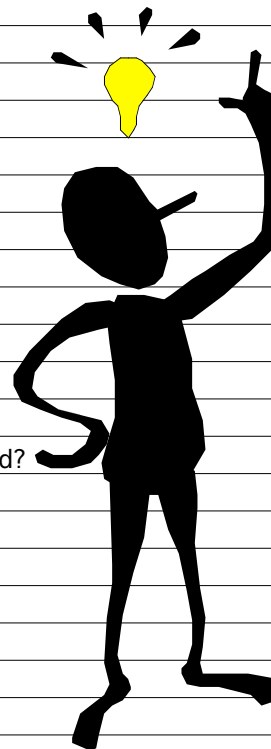
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8.25	Which is 345,789 closer to, 345,000 or 346,000?	346,000
8.5	Which is 7,867 closer to, 7,800 or 7,900?	7,900
8.75	Which is 7.83 closer to, 7.8 or 7.9?	7.8
9	Estimate the sum of the following numbers: 104 and 289.	400
9.25	Estimate the sum of the following numbers: 199.7 and 72.1.	272 or 300
9.5	Estimate the product of the following numbers: 5.9 and 7.2.	42
9.75	Solve: $23 \times 10 =$	230
10	Solve: $435 \times 10 =$	4,350
10.25	Solve: $234 \times 100 =$	23,400
10.5	Solve: $123 \times 10 =$	1,230
10.75	Solve: 63 divided by 7.	9
11	Solve: 84 divided by 4.	21
11.25	Find the product of the digits of 418.	32
11.5	Find the product of the digits of 211.	2
11.75	Find the product of the digits of 1,198.	72
12	Find the product of the digits of 1,176.	42
12.25	Find the sum of the digits of 3,400.	7
12.5	Find the sum of the digits of 10,700.	8
12.75	Which number has the least value, 1.2 or 1.02?	1.02
13	Which number has the greatest value, .16 or .061?	0.16
13.25	How do you read the number .3?	3 tenths
13.5	How do you read the number 4.6?	4 and 6 tenths
13.75	How do you read the number 87.2?	87 and 2 tenths
14	Add these decimals: $3.5 + 4.3 =$	7.8
14.25	Add these decimals: $7.9 + 2.5 =$	10.4
14.5	Subtract these decimals: $9.45 - 2.67 =$	6.78
14.75	Subtract these decimals: $23.4 - 12.6 =$	10.8
15	Add these fractions: $\frac{1}{3} + \frac{2}{3} =$	1
15.25	Add these fractions: $\frac{4}{8} + \frac{2}{8} =$	$\frac{6}{8}$ or $\frac{3}{4}$
15.5	Add these fractions $\frac{7}{9} + \frac{3}{9} =$	$\frac{10}{9}$ or $1 \frac{1}{9}$
15.75	Subtract these fractions: $\frac{7}{9} - \frac{1}{9} =$	$\frac{6}{9}$ or $\frac{2}{3}$
16	Subtract these fractions: $\frac{4}{5} - \frac{2}{5} =$	$\frac{2}{5}$
16.25	Subtract these fractions: $\frac{7}{12} - \frac{4}{12} =$	$\frac{3}{12}$ or $\frac{1}{4}$
16.5	If you bought items costing \$5.32 and 4.45, what would your change be if you paid with \$10.00?	23 cents
16.75	1 pound = 16 ounces. How many ounces are in 2 pounds?	32 ounces



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17	1 pound = 16 ounces, how many ounces are in 5 pounds?	80 ounces
17.25	1 pound = 16 ounces, how many pounds are in 32 ounces?	2 pounds
17.5	1 tablespoon = 3 teaspoons, how many teaspoons are in 6 tablespoons?	18 teaspoons
17.75	1 tablespoon = 3 teaspoons, how many tablespoons are in 21 teaspoons?	7 tablespoons
18	How many hours are in 3 days?	72 hours
18.25	How many seconds are in four minutes?	240 seconds
18.5	Add $\frac{3}{4} + \frac{3}{4}$ and simplify your answer.	$1 \frac{1}{2}$
18.75	Add $\frac{7}{8} + \frac{1}{8}$ and simplify your answer.	1
19	Add $\frac{3}{5}$ and $\frac{4}{5}$ and simplify your answer.	$1 \frac{2}{5}$
19.25	Change $\frac{7}{3}$ to a mixed number in simplest form.	$2 \frac{1}{3}$
19.5	TRUE OR FALSE: Using one line segment, every rectangle can be divided into two squares.	FALSE
19.75	TRUE OR FALSE: Using one line segment, every rectangle can be divided into two congruent rectangles.	TRUE
20	Write $1 \frac{1}{2}$ as a single fraction.	$\frac{3}{2}$
20.25	Write $2 \frac{1}{2}$ as a single fraction.	$\frac{5}{2}$
20.5	Find the number that is one less than the product of 9 and 2.	17
20.75	Find half the product of 4 and 5.	10
21	Find twice the difference between 20 and 14.	12
21.25	Find the number that is one more than the product of 8 and 6.	49
21.5	$12 + 9 = 9 + 12$ is an example of which property?	commutative
21.75	Find an easy way to add $19 + 8 + 1$.	28
22	Find an easy way to add $95 + 47 + 5$.	147
22.25	What type of angles measure less than 90 degrees?	acute
22.5	What type of angles measure more than 90 degrees?	obtuse
22.75	What type of angles measure exactly 90 degrees?	right
23	If all angles in a triangle measure less than 90 degrees, how is the triangle classified?	acute
23.25	How many right angles does a right triangle have?	1
23.5	How many acute angles does an obtuse triangle have?	2
23.75	What are intersecting lines that form 4 right angles called?	perpendicular
24	Lines in the same plane that do not intersect are called?	parallel
24.25	An angle consists of exactly two of these.	rays
24.5	Perpendicular lines form angles whose measures are	90 degrees
24.75	A 90 degree angle is called a ...	right angle
25	TRUE OR FALSE: A square is also a rectangle.	TRUE
25.25	What is a quadrilateral with opposite sides parallel called?	parallelogram
25.5	What do all squares have that many rhombuses don't?	right angles



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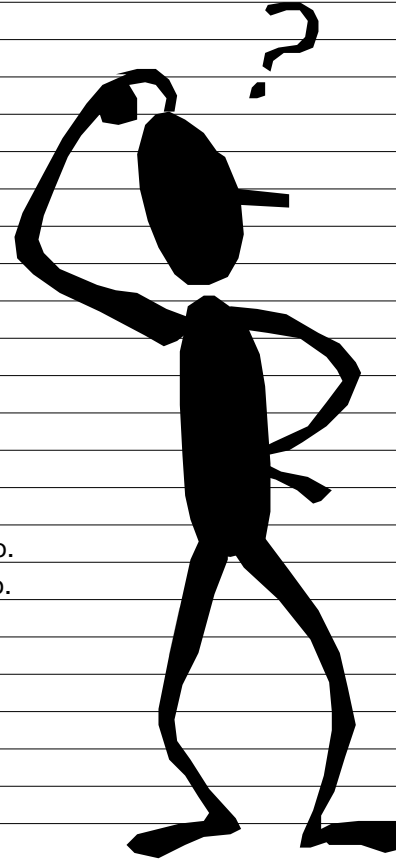
25.75	What do all rectangles have that many parallelograms don't?	right angles
26	What is a triangle with one angle greater than 90 degrees called?	obtuse triangle
26.25	What is a quadrilateral with four congruent sides called?	rhombus
26.5	TRUE OR FALSE: A square is also a parallelogram.	TRUE
26.75	Which has more vertices, an equilateral triangle or a rectangle?	rectangle
27	Which has greater angles, an equilateral triangle or a square?	square
27.25	If one diagonal of a rectangle is drawn, how many triangles are formed?	2
27.5	State the number of sides on a quadrilateral.	4
27.75	State the number of faces on a cube.	6
28	State the number of faces on a rectangular solid.	6
28.25	State the number of faces on a square based pyramid.	5
28.5	State the number of vertices on a cube.	8
28.75	State the number of vertices on a rectangular solid.	8
29	State the number of edges on a cube.	12
29.25	How many pairs of perpendicular lines segments are on a square?	4
29.5	How many congruent angles are on every isosceles triangle?	2
29.75	What is the greatest number of right angles a triangle can have?	1
30	Solve for x: $x + 33 = 40$	7
30.25	Solve for x: $14 + x = 20$	6
30.5	Solve for x: $30 = x + 3$	27
30.75	Solve for x: $100 - x = 60$	40
31	Solve for x: $25 - x = 19$	6
31.25	Which is greater, 3.19 or $3 \frac{1}{2}$?	$3 \frac{1}{2}$
31.5	Which is greater, .65 or $\frac{6}{5}$?	$\frac{6}{5}$
31.75	Which is greater, 11.5 inches or 1.15 feet?	1.15 feet
32	Find the sum of the following numbers: 23, 98, and 2.	123
32.25	Find the product of the following numbers: 2, 5, and 3.	30
32.5	One yard = 3 feet. One foot = 12 inches. How many inches are in four yards?	144 inches
32.75	What is the greatest number of right angles a quadrilateral can have?	4
33	Two squares in a plane are joined side by side. What kind of figure is formed?	rectangle
33.25	One side of a rectangle is what kind of geometric shape?	line segment
33.5	One vertex of a rectangle is what kind of geometric shape?	point
33.75	TRUE OR FALSE: Using one line segment, every rectangle can be divided into two squares.	FALSE
34	TRUE OR FALSE: Using one line segment, every rectangle can be divided into two congruent rectangles.	TRUE



FRACTION ALLEY

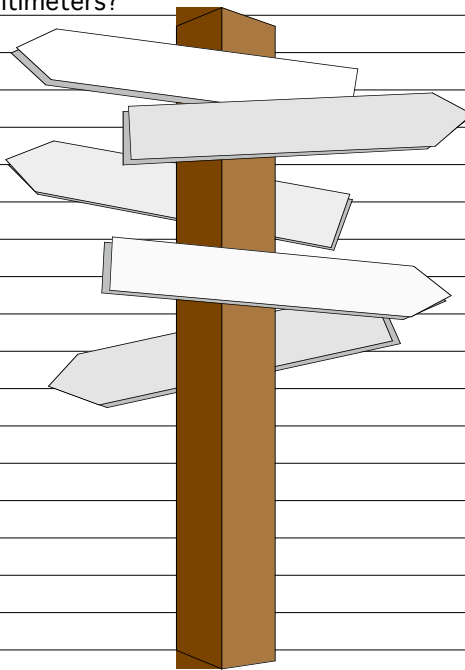
5TH GRADE BLOCK ONE

0.25	What do we call whole numbers that are evenly divisible by 2?	even
0.5	What do we call whole numbers that are not evenly divisible by 2?	odd
0.75	Find the sum of the first five whole numbers greater than zero.	15
1	Find the sum of the first four prime numbers greater than zero.	17
1.25	Find the sum of the first six whole numbers greater than zero.	21
1.5	Find the sum of the prime numbers between 10 and 20.	60
1.75	A product is the answer to this kind of problem.	multiplication
2	A sum is the answer to this kind of problem.	addition
2.25	A difference is the answer to this kind of problem.	subtraction
2.5	A quotient is the answer to this kind of problem.	division
2.75	What are the whole number factors of 20?	1, 2, 4, 5, 10, 20
3	Find the sum of the whole number factors of 18.	39
3.25	Use the numbers 7 and 1 to create an expression equal to 50.	$7 \times 7 + 1$
3.5	Use the numbers 5 and 1 to create an expression equal to 26.	$5 \times 5 + 1$
3.75	Use the numbers 9 and 1 to create an expression equal to 82.	$9 \times 9 + 1$
4	Find the sum of the first three positive multiples of four greater than zero.	24
4.25	Find the sum of the first three positive multiples of five greater than zero.	30
4.5	$12 + 9 = 9 + 12$ is an example of which property?	commutative
4.75	What is the identity element for addition?	0
5	What is the identity element of multiplication?	1
5.25	How many feet are in 36 inches?	3 feet
5.5	How many feet are in 10 yards?	30 feet
5.75	How many inches are in 4 feet?	48 inches
6	How many yards are in 15 feet?	5 yards
6.25	How many feet are in 1 mile?	5280
6.5	1 pound is = 16 ounces. How many ounces are in 5 pounds?	80 ounces
6.75	1 pound = 16 ounces. How many ounces are in 3 pounds?	48 ounces



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7	1 pound = 16 ounces, how many pounds are in 32 ounces?	2 pounds
7.25	1 tablespoon = 3 teaspoons, how many teaspoons are in 6 tablespoons?	18 teaspoons
7.5	1 tablespoon = 3 teaspoons, how many tablespoons are in 12 teaspoons?	4 tablespoons
7.75	How many hours are in 2 days?	48 hours
8	How many seconds are in five minutes?	300 seconds
8.25	One hour = 60 minutes. How many minutes are in three and one-half hours?	210 minutes
8.5	1 meter = 100 centimeters. How many centimeters are in 2 1/2 meters?	250 centimeters
8.75	1 centimeter = 10 millimeters. How many millimeters are in 25 centimeters?	250 millimeters
9	1 kilometer = 1000 meters. How many meters are in 5 kilometers?	5000 meters
9.25	1 gallon = 4 quarts. How many quarts are in 4 1/2 gallons?	18 quarts
9.5	1 gallon = 4 quarts. How many gallons are in 40 quarts?	10 gallons
9.75	A right angle has how many degrees?	90 degrees
10	What place value is represented by the 5 in the number 5,347,678?	millions
10.25	What place value is represented by the 5 in the number 467.65?	hundredths
10.5	What is the value of the 5 in the number 10,450?	50
10.75	What is the value of the 5 in the number 12.345?	five thousandths
11	Rewrite 20/30 using lowest terms.	2/3
11.25	Rewrite 5/20 using lowest terms.	1/4
11.5	Subtract 1/8 from 5.	4 7/8
11.75	Subtract 1/4 from 3.	2 3/4
12	What is one half of 4/5?	2/5 or 4/10
12.25	What is one half of 1/2?	1/4
12.5	What is 1/2 of 50%?	25%
12.75	Add 1/4 + 1/2.	3/4
13	Add 1/2 + 3/4.	1 1/4
13.25	Divide: 6 by 1/2. (How many halves are in six?)	12
13.5	Divide: 2 by 1/4. (How many fourths are in two?)	8
13.75	TRUE OR FALSE: If a fraction is reduced to lower terms, the new fraction is less than the original fraction.	FALSE
14	TRUE OR FALSE: Every fraction has a value less than 1.	FALSE
14.25	Change 12/5 to a mixed number.	2 2/5
14.5	Change 9/4 to a mixed number.	2 1/4
14.75	Change 25/10 to a mixed number.	2 5/10 or 2 1/2



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15	Rewrite $10/25$ using lowest terms.	$2/5$
15.25	Add $1/2$ and $1/4$.	$3/4$
15.5	What is $2 \frac{1}{2}$ divided by $1/2$?	5
15.75	What is the product of 2 and $1 \frac{1}{2}$?	3
16	Which has the least value? $1/3$ or $1/4$?	$1/4$
16.25	Find the greatest common factor between 20 and 32.	4
16.5	Find the product of these two numbers: 24 and .5.	12
16.75	Find the product of these two numbers: 14 and .5.	7
17	Find the sum of the following numbers: $4.5 + 2.3$	6.8
17.25	Change this fraction to a decimal. $3/4$	0.75
17.5	Estimate the product of these two numbers: 6.9 and 3.2	21
17.75	Estimate the sum of these two numbers: 19.8 and 71.16.	90
18	Find the area of a triangle with base 20 cm and height 14 cm.	140 sq cm
18.25	Find the perimeter of a triangle with side lengths 10, 8, and 8 inches.	26 inches
18.5	Find the perimeter of a regular hexagon if one side length is 11 millimeters.	66 millimeters
18.75	What do we call a triangle that has all 3 sides congruent?	equilateral
19	In a right triangle, if one acute angle measures 25 degrees, then the other acute angle measures ...	65 degrees
19.25	True or False: Opposite angles of a parallelogram are congruent.	TRUE
19.5	Find the perimeter of a square with side length $4 \frac{1}{2}$ inches.	18 inches
19.75	Find the area of a triangle with base 12 centimeters and height 8 centimeters	48 sq cm
20	Find the area of a rectangle with L= 10 cm and W= $1 \frac{1}{2}$ cm.	15 sq cm
20.25	Find the area of a square with side length = $2 \frac{1}{2}$ inches.	$6 \frac{1}{4}$ sq in
20.5	Find the area of a parallelogram with base 10 cm and height 4 cm.	40 sq cm
20.75	What do we call a polygon with eight sides?	octagon
21	How many sides does a decagon have?	10
21.25	What do we call a polygon with six sides?	hexagon
21.5	TRUE OR FALSE: Each angle of an equilateral triangle has measure 60 degrees.	TRUE
21.75	A heptagon has this many sides.	7
22	A quadrilateral has this many sides.	4
22.25	A pentagon has this many sides.	5
22.5	A hexagon has this many vertices.	6
22.75	An octagon has this many sides.	8



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23	A decagon has this many vertices.	10
23.25	How many edges does a cube have?	12
23.5	The longest diagonal of a regular hexagon divides the hexagon into two of these.	trapezoids
23.75	What name is associated with the distance from the center of the circle to the circle?	radius
24	What name is associated with greatest distance through the center and across a circle?	diameter
24.25	Write $25/30$ using lowest terms.	$5/6$
24.5	Write $14/21$ using lowest terms.	$2/3$
24.75	Subtract $3/8$ from 7.	$6 \frac{5}{8}$
25	Subtract $1/16$ from 4.	$3 \frac{15}{16}$
25.25	What is one half of $8/11$?	$4/11$
25.5	What is one half of $1/2$?	$1/4$
25.75	Divide: 9 by $1/2$. (How many halves are in nine?)	18
26	Divide: 6 by $1/4$. (How many fourths are in six?)	24
26.25	True or False: If a fraction is reduced to lower terms, the new fraction is less than the original fraction.	FALSE
26.5	True or False: $7/4$ is an example of an improper fraction.	TRUE
26.75	Change $12/7$ to a mixed number.	$1 \frac{5}{7}$
27	Round 379 to the nearest hundred.	400
27.25	Round 6,499 to the nearest thousand.	6,000
27.5	Round 12,089 to the nearest hundred.	12,100
27.75	Round 98,856 to the nearest hundred.	98,900
28	Round 24.099 to the nearest tenth.	24.1
28.25	Round 99.029 to the nearest hundredth.	99.03
28.5	How many degrees are in a circle?	360
28.75	How many degrees are in a semicircle?	180
29	Use the numbers 4 and 1 to create an expression equal to 17.	$4 \times 4 + 1$
29.25	Use the numbers 10 and 1 to create an expression equal to 99.	$10 \times 10 - 1$
29.5	Use the numbers 8 and 1 to create an expression equal to 63.	$8 \times 8 - 1$
29.75	Find the sum: $345 + 345 =$	690
30	Find the difference: $465 - 225 =$	240
30.25	What type of angle measures less than 90 degrees?	acute
30.5	What type of angle measures more than 90 degrees?	obtuse
30.75	What type of angle measures exactly 90 degrees?	right

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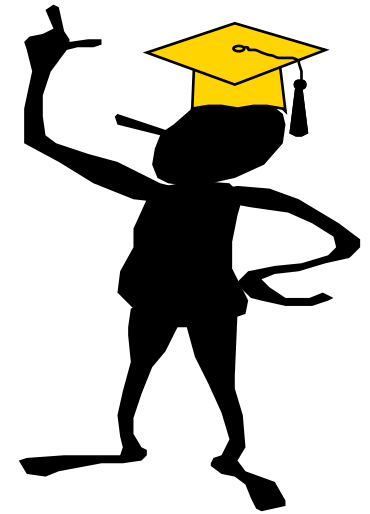
31	Solve the equation: $x + 21 = 55$.	$x = 34$
31.25	Solve the equation: $4x = 48$.	$x = 12$
31.5	Solve the equation: $x - 23 = 50$.	$x = 73$
31.75	Solve the equation: $12x = 36$.	$x = 3$
32	Solve the equation: $83 = 76 + x$.	$x = 7$
32.25	What number is fifty more than 7×5	85
32.5	What number is twenty less than 10×10	80
32.75	What number is fifteen more than $20 \div 4$	20
33	What property is associated with $a + b = b + a$?	commutative property
33.25	What property is associated with $(a+b) + c = a + (b + c)$?	associative property
33.5	What property is associated with $a(b+c) = ab + ac$?	distributive property
33.75	One side of a rectangle is what geometric shape?	line segment
34	One vertex of a rectangle is what geometric shape?	point





FRACTION ALLEY

5TH GRADE BLOCK TWO



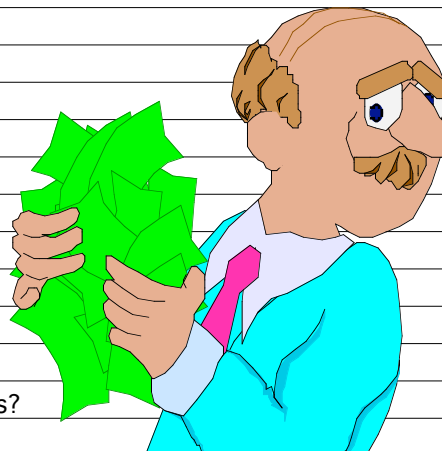
0.25	Intersecting lines that form 4 right angles are called...	perpendicular
0.5	Lines in the same plane that do not intersect are called...	parallel
0.75	The number of endpoints on a line segment is...	two
1	Angles A and B are complementary and $A=40$ degrees, then $B=$	50 degrees
1.25	Angles A and B are supplementary and $A=40$ degrees, then $B=$	140 degrees
1.5	Angles A and B are supplementary and $A=60$ degrees, then $B=$	120 degrees
1.75	Geometric figures with the same shape and size are	congruent
2	An angle consists of exactly two of these...	rays
2.25	Adjacent angles share a common ...	ray
2.5	TRUE OR FALSE: A square is always a rectangle.	TRUE
2.75	TRUE OR FALSE: A rhombus is always a square.	FALSE
3	A quadrilateral with opposite sides congruent is definitely a ...	parallelogram
3.25	If the item you buy costs \$3.79, how much change will you get if you pay with \$10.00?	\$6.21
3.5	If the item you buy costs \$69.34, how much change will you get if you pay with \$100?	\$30.66
3.75	TRUE OR FALSE: Two circles with equal areas must be congruent.	TRUE
4	Every angle of a polygon consists of two of these.	sides or line segments
4.25	TRUE OR FALSE: Two rectangles with the equal areas must be congruent.	FALSE
4.5	TRUE OR FALSE: Two rectangles with equal perimeters must be congruent.	FALSE
4.75	A pair of dice is rolled. Find the probability that a factor of 12 turns up.	$1/2$

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5	A spinner has the numbers 1-6 on it. What is the probability of spinning an even number?	$\frac{3}{6}$ or $\frac{1}{2}$
5.25	A spinner has the numbers 1-6 on it. What is the probability of spinning a prime number?	$\frac{3}{6}$ or $\frac{1}{2}$
5.5	A spinner has the numbers 1-6 on it. What is the probability of spinning a number >4 ?	$\frac{2}{6}$ or $\frac{1}{3}$
5.75	Solve for x: $8x = 32$.	$x=4$
6	Solve for x: $24 + x = 36$.	$x=12$
6.25	1 meter = 100 centimeters. How many centimeters are in $3 \frac{1}{2}$ meters?	350 centimeters
6.5	1 centimeter = 10 millimeters. How many centimeters are in 35 millimeters?	$3 \frac{1}{2}$ centimeters
6.75	1 kilometer = 1000 meters. How many meters are in 8 kilometers?	8000 meters
7	1 gallon = 4 quarts. How many quarts are in $5 \frac{1}{2}$ gallons?	22 quarts
7.25	1 gallon = 4 quarts. How many gallons are in 80 quarts?	20 gallons
7.5	Find the mean of 4, 8, and 6.	6
7.75	Find the range of the first 5 prime numbers greater than zero.	$9 - 2 = 7$
8	Find the median of the whole number factors of 24.	5
8.25	What is another term for the mean?	average
8.5	Find the mode of these numbers: 45, 65, 23, 45, 90	45
8.75	Find the mode of the letters in the word associated with the number 54.	f
9	Rewrite $\frac{10}{25}$ using lowest terms.	$\frac{2}{5}$
9.25	Add $\frac{3}{4}$ and $\frac{2}{4}$ and report your answer as a mixed number.	$1 \frac{1}{4}$
9.5	What is $5 \frac{1}{2}$ divided by $\frac{1}{2}$ (How many halves are in five and one half)?	11
9.75	What is the product of 3 and $2 \frac{1}{2}$?	$7 \frac{1}{2}$
10	Which has the least value? $\frac{1}{8}$ or $\frac{1}{10}$?	$\frac{1}{10}$
10.25	Add and simplify: $\frac{1}{2} + \frac{3}{4}$	$1 \frac{1}{4}$
10.5	Add and simplify: $3 + \frac{1}{2} + 3 \frac{1}{2}$	7
10.75	Add and simplify: $\frac{4}{4} + \frac{6}{4}$	$2 \frac{1}{2}$
11	Add and simplify: $\frac{3}{4} + \frac{4}{4}$	$1 \frac{3}{4}$
11.25	Add and simplify: $\frac{3}{4} + \frac{1}{2} + \frac{1}{4}$	$1 \frac{1}{2}$
11.5	Add and simplify: $\frac{2}{5} + \frac{3}{4} + \frac{3}{5}$	$1 \frac{3}{4}$
11.75	Subtract and simplify: $2 - \frac{1}{8}$	$1 \frac{7}{8}$
12	Subtract and simplify: $1 \frac{1}{2} - \frac{1}{4}$	$1 \frac{1}{4}$
12.25	What number is 11 more than 4×5	31
12.5	What number is 10 less than 5×9	35
12.75	Subtract: $14 - 4.9$	9.1

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13	Simplify: $20 + 40 - 15$	45
13.25	Add: $1.9 + 1 + .1$	3
13.5	Multiply 30×1.5	45
13.75	Multiply 10×2.5	25
14	Multiply: 12×2.5	30
14.25	Divide 1 by $\frac{1}{3}$ (how many thirds are in 1 whole?)	3
14.5	Divide $\frac{1}{2}$ by $\frac{1}{4}$ (How many fourths are in one-half?)	2
14.75	Divide 2 by $\frac{1}{4}$ (How many fourths are in two wholes?)	8
15	Divide 3 by $\frac{1}{4}$ (How many fourths are in three?)	12
15.25	Divide 2 by $\frac{1}{3}$ (How many thirds are in two wholes?)	6
15.5	Divide $\frac{3}{4}$ by $\frac{1}{4}$ (How many fourths are in three fourths?)	3
15.75	For a human, how far from normal is a temperature of 100 degrees?	1.4 degrees
16	Which is greater, 2 centimeters or 20 millimeters?	neither, they are equal
16.25	Which is greater, 3 yards or 10 feet?	10 feet
16.5	Which is greater, 2 miles or 2 kilometers?	2 miles
16.75	$34 \times 2 =$	68
17	$82 \times 4 =$	328
17.25	Jason has 23 apples, 15 oranges, and 12 plums. How many pieces of fruit does he have?	50
17.5	What is the greatest whole number that will divide 12 and 24 evenly?	12
17.75	What is the greatest whole number that will divide 10 and 15 evenly?	5
18	What is the greatest whole number that will divide 14 and 21 evenly?	7
18.25	What is the least whole number that 4 and 5 will divide into evenly?	20
18.5	What is the least whole number that 6 and 8 will divide into evenly?	24
18.75	What is the least whole number that 10 and 4 will divide into evenly?	20
19	What is the prime factorization of 18?	$2 \times 3 \times 3$
19.25	What is the prime factorization of 24?	$2 \times 2 \times 2 \times 3$
19.5	What is the prime factorization of 16?	$2 \times 2 \times 2 \times 2$
19.75	What is the prime factorization of 40?	$2 \times 2 \times 2 \times 5$
20	Which is greater, $\frac{6}{9}$ or $\frac{7}{21}$?	$\frac{6}{9}$
20.25	Which is greater, .099 or .12?	0.12
20.5	Which is greater, 14 or half of 30?	half of 30
20.75	Which is greater, 15 or half of 28?	15



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21	Find 50% of 60.	30
21.25	Find 50% of 240.	120
21.5	Find 50% of 500.	250
21.75	Given \$14.75, find the change from \$20.	\$5.25
22	Given \$11.50, find the change from \$20.	\$8.50
22.25	How many congruent sides and congruent angles does an isosceles triangle have?	2
22.5	How many congruent sides and congruent angles does an equilateral triangle have?	3
22.75	How many congruent sides and congruent angles does a scalene triangle have?	0
23	Two different diameters divide a circle into how many parts?	4
23.25	Two different radii divide a circle into how many parts?	2
23.5	What number is twenty-five less than 10×10	75
23.75	What number is fifteen more than $40 \div 4$	25
24	What is the relationship between the radii of the same circle?	congruent
24.25	True or False: The diagonals of a rhombus are always congruent.	FALSE
24.5	True or False: Either diagonal of a square forms two right triangles.	TRUE
24.75	Find the sum of the prime numbers between 30 and 40.	68
25	What are the 1st 5 multiples of 6 (greater than zero)?	6, 12, 18, 24, 30
25.25	What are the 1st 5 multiples of 10 (greater than zero)?	10, 20, 30, 40, 50
25.5	What are the first 5 multiples of 8 (greater than zero)?	8, 16, 24, 32, 40
25.75	Name three odd whole number factors of 50.	1, 5, and 25
26	How many even whole number factors exist for the number 63?	zero
26.25	Find the sum of the whole number factors of 18.	39
26.5	Find the median of the whole number factors of 9.	3
26.75	Find the mode of the letters in the word for 77.	e
27	TRUE OR FALSE: If a fraction is reduced to lower terms, the new fraction is less than the original fraction.	FALSE
27.25	TRUE OR FALSE: $7/4$ is an example of an improper fraction.	TRUE
27.5	What do we call the set of whole numbers that are evenly divisible by 2?	Even Numbers
27.75	What do we call the set of whole numbers that are not evenly divisible by 2?	Odd Numbers
28	TRUE OR FALSE: All the multiples of 18 are even numbers.	TRUE
28.25	This number is a multiple of 3 and 10, has two syllables, and is less than 50.	30
28.5	The product of two even whole numbers is always this kind of whole number.	even whole number
28.75	TRUE or FALSE: $15/20$ is greater than $9/10$.	FALSE



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29	Find the sum of the digits of 24.	6
29.25	Find the product of the digits of 5,909.	0
29.5	Find the product of the digits of 11,231.	6
29.75	True or False: The median of a set of numbers is always one of the numbers in the set.	FALSE
30	True or False: The mean of a set of numbers is always one of the numbers in the set.	FALSE
30.25	Rewrite $\frac{25}{30}$ using lowest terms.	$\frac{5}{6}$
30.5	Rewrite $\frac{14}{21}$ using lowest terms.	$\frac{2}{3}$
30.75	TRUE OR FALSE: The mode of a set of numbers is always one of the numbers in the set.	TRUE
31	TRUE OR FALSE: The sum of 'n' numbers divided by n is the average of the numbers.	TRUE
31.25	TRUE OR FALSE: The mode of a set of numbers is the number that appears in the set most frequently.	TRUE
31.5	TRUE OR FALSE: The range of a set of numbers is the difference between the greatest and least values.	TRUE
31.75	What is $\frac{1}{2}$ of 82?	41
32	Divide: 10 by $\frac{1}{2}$. (How many halves are in ten?)	20
32.25	Divide: 8 by $\frac{1}{4}$. (How many fourths are in eight?)	32
32.5	Round 564.999 to the nearest whole number.	565
32.75	Estimate the sum of 597 and 395	1,000
33	Estimate the quotient: 79 divided by 10	8
33.25	Which number has the least value, .4 or .08?	0.08
33.5	Which number has the greatest value, $\frac{1}{3}$ or $\frac{1}{2}$?	$\frac{1}{2}$
33.75	Solve: 68 divided by 4	17
34	Solve: $100 \times 1,000$	100,000

