

Fraction Action

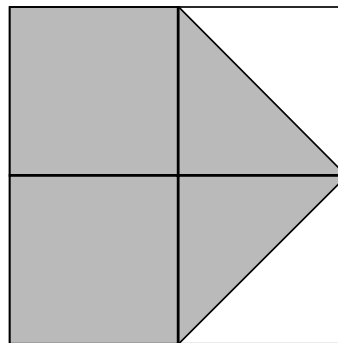
Each pizza crust uses $1\frac{5}{8}$ cups of flour. If you have 5 cups of flour, how many pizzas can you make?



(1.04, 1.07)



Probability Pizzazz



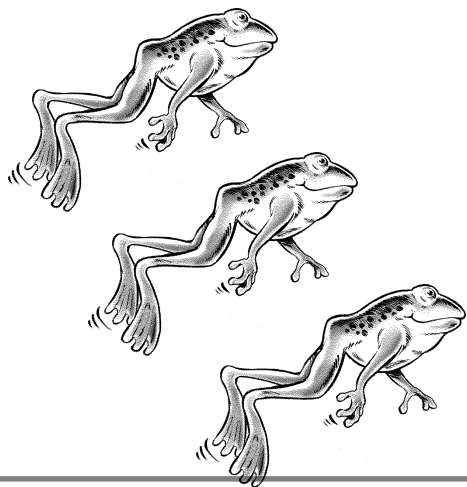
If a raindrop falls on this road sign, what is the probability that it will fall in the shaded area?

(2.02, 4.04)



Solve This!

In a race, Andy frog can move 5 feet in 5 seconds. Bernie frog moves 600 inches in a minute and Charlie frog moves 2 yards in 8 seconds. Which frog is fastest?



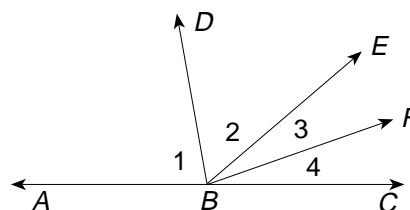
(1.07)



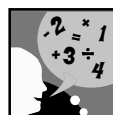
Geometry Gems

\overrightarrow{BF} bisects $\angle EBC$. \overrightarrow{BE} bisects $\angle DBC$.

If $\angle 1$ has a measure of 80° , find the measure of $\angle 4$.



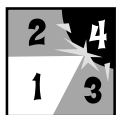
(Review)



Mathematically Speaking

Solve for M : $3M - 4.2 < 28.5$

(5.03)

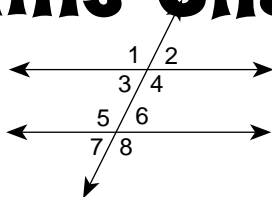


Keeping Skills Sharp

1. What type of angles are $\angle 1$ and $\angle 2$?

2. Write an algebraic expression for q .

x	y
2	9
1	7
0	5
p	q



Write answers here:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____

3. Circle each number that is divisible by both 2 and 3.
6, 10, 12, 14, 16, 18

4. Complete the following: 4, 7, 12, 19, ____, ____, ____

5. Simplify:
 $20 + 7 \times (4 \div 2)$

6. Write in order from least to greatest.
5.52, -23.5, 3.25, -0.552, 3.025

7. What is the value of the digit 4, in the number 93,048,210?

8. Draw a line segment that is 7 cm long.

9. Write as a decimal: $\frac{45}{100}$

10. There are 24 hours in a day. How many hours are in 2 weeks?



Mental Math

Directions to Students:

Write your answers as the questions are called out.
Each question will be repeated only once.

1

6

2

7

3

8

4

9

5

10

Answer Key

Grade 6

WEEK
22

Probability Pizzazz

75%

Fraction Action

3 pizzas

Geometry Gems

25°

Solve This

Andy is the winner at 12 in./sec.

Frog Bernie travels at 10 in./sec.

Frog Charlie travels at 9 in./sec.

Mathematically Speaking

$M < 1.09$

Keeping Skills Sharp

1. supplementary
2. $q = 2p + 5$
3. 6, 12, 18
4. 28, 39, 52
5. 34
6. -23.5, -0.552, 3.025, 3.25, 5.52
7. 40,000
8. See drawing
9. 0.45
10. 336 hours

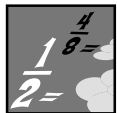
Mental Math

This section provides an opportunity for sharpening students' mental computation.

1. What is the least common multiple of 4 and 5?
2. $396 + 504$
3. $255 \div 5$
4. Find the product of 8 and 40.
5. Estimate the sum of 15,960 and 7,040.
6. Which is larger (5×43) or 200?
7. Can Sally do 300 sit-ups in 7 days if she does 40 a day?
8. How much would three candy bars cost if each one is 45¢?
9. Jane bought 2 CD's for \$9.50 each. What was her total cost?
10. What is the greatest common factor of 12 and 20?

Mental Math

1. 20
2. 900
3. 51
4. 320
5. About 23,000
6. 5×43
7. No
8. \$1.35
9. \$19.00
10. 4



Fraction Action

A recipe Juan is using calls for the following ingredients: $3\frac{2}{3}$ cups of flour,

$1\frac{3}{4}$ cups of sugar, $1\frac{1}{4}$ tsps. of baking powder,

and $1\frac{1}{2}$ tsps. of salt.

If he triples the recipe, how much of each ingredient will he need?

(1.04, 1.07)



Probability Pizzazz

Rod went to buy school clothes at the mall. He bought three pairs of jeans that all look different. He also bought five different colored sweaters and two pairs of sneakers, a white pair and a black pair. How many different outfits are possible?



(4.01)



Solve This!

Jim and Pete had a pizza eating contest. Jim ate $1\frac{1}{2}$ cheese pizzas and $1\frac{2}{3}$ pepperoni pizzas. Pete ate $1\frac{3}{4}$ cheese pizzas and $1\frac{1}{2}$ pepperoni pizzas. Who ate more and how much more?



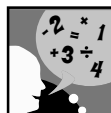
(1.04, 1.07)



Geometry Gems

Points A, B(12, 2), C(6, 2), P, and Q are collinear. Point C is the midpoint of \overline{PB} , and P is the midpoint of \overline{QB} . If the length of \overline{AB} is 28 units, find the length of \overline{AQ} .

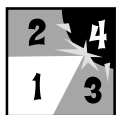
(3.04)



Mathematically Speaking

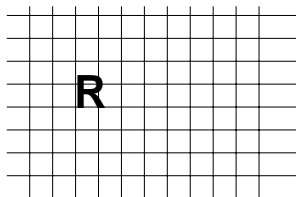
Explain the relationship between the diameter of a circle and its circumference.

(3.02)



Keeping Skills Sharp

1. Name the underlined place value: 8.632
2. $4.38 \div 2.5 =$
3. $4.623 + 12.312 =$
4. There are 12 marbles in a bag: 1 black, 2 orange, 4 green, 5 yellow. What is the probability of choosing green or yellow?
5. What is the range of these scores: 20, 8, 43, 7, 10, 37, 20, 5, 19, 28, 41?
6. What is the circumference of a circle with radius 15.5 cm?
7. 9 kilometers = ____ meters
8. Estimate your mass in kilograms.
9. Show how this letter could look with a translation to the right:



10. How many edges are on a cube?

Write answers here:

1. _____
2. _____
3. _____
4. _____
5. _____
6. _____
7. _____
8. _____
9. _____
10. _____



Mental Math

Directions to Students:
Write your answers as the questions are called out.
Each question will be repeated only once.

1

6

2

7

3

8

4

9

5

10

Answer Key

Grade 6

WEEK
2 3

Geometry Gems

$CB = 6$, so $PC = 6$. $PB = 12$, so $QP = 12$. $AB = 28$, and $AQ = 4$ cm.

Solve This

Pete ate $\frac{1}{12}$ pizza more than Jim.

Fraction Action

Flour: 11 cups, Sugar: $5\frac{1}{4}$ cups

Baking powder: $3\frac{3}{4}$ tsps., Salt $4\frac{1}{2}$ tsps.

Probability Pizzazz

$3 \times 5 \times 2 = 30$ outfits

Mathematically Speaking

The diameter, d , of a circle is the measure of the longest chord of the circle. The circumference, C , of a circle is the measure of the distance around the circle. $C = \pi \times d$

Keeping Skills Sharp

1. hundredths
2. 1.752
3. 16.935
4. $\frac{9}{12}$
5. 38
6. 97.4 cm
7. 9,000 m
8. Answers will vary
9. Answers will vary
10. 12

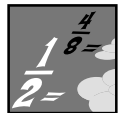
Mental Math

This section provides an opportunity for sharpening students' mental computation.

1. Nearest hundredth to 19.539
2. How many days are in 12 weeks? 15 weeks?
3. $45 \div 9 + 6$
4. $18,000 \div 9$
5. Nearest whole number to $11\frac{2}{5}$.
6. $9,000 \times 16$
7. Is 93 divisible by 2? 3? 6? 5?
8. Multiply 21×6 and subtract 6.
9. If two tapes cost \$9.50, about how much will three tapes cost?
10. $\frac{1}{3} + 3\frac{1}{3} + 5$

Mental Math

1. 19.54
2. 84 days; 105 days
3. 11
4. 2,000
5. 11
6. 144,000
7. no, yes, no, no
8. 120
9. \$14.25
10. $8\frac{2}{3}$



Fraction Action

Compare. Use $>$, $<$, or $=$.

$$\frac{3}{10} \quad \bigcirc \quad \frac{1}{4}$$

$$3\frac{1}{2} \quad \bigcirc \quad 3\frac{2}{4}$$

$$\frac{3}{9} \quad \bigcirc \quad \frac{4}{15}$$

$$12\frac{5}{8} \quad \bigcirc \quad 12\frac{9}{12}$$

$$7\frac{8}{12} \quad \bigcirc \quad 7\frac{2}{3}$$

(1.03)



Probability Pizzazz

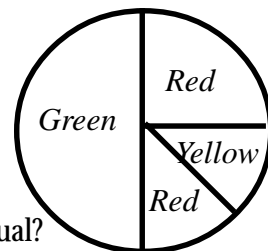
Sidney spun this spinner 240 times and recorded the following results:

Red 84,

Yellow 27

Green 129

Assuming that this is a fair spinner, are these results unusual? Explain.



(4.04)



Solve This!

Lisa sold \$75 worth of play tickets. Adult tickets cost \$4 each and children's tickets cost \$3 each. How many children's tickets could she have sold? Is there more than one answer?



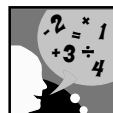
(1.07)



Geometry Gems

What are all the possibilities for the intersection of a triangle and a parallelogram in a plane? What is the maximum number of points of intersection for these two polygons?

(3.01)

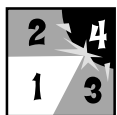


Mathematically Speaking

Evaluate if $r = 1.5$ and $t = \frac{3}{4}$

$$2r^2 + 10r - \frac{2}{5}t$$

(5.02)



Keeping Skills Sharp

1. $4,927 + 699 - 582 =$

2. $\frac{4}{5} - \frac{1}{4} =$

3. $394.63 - 36.493 =$

4. What is the least common multiple of 18 and 24?

5. What is the largest prime factor of 200?

6. Jesse ate $\frac{2}{3}$ of a pizza and Rob ate $\frac{3}{4}$ of a pizza. Jesse says he ate more pizza than Rob. How is this possible?

7. The oldest person at a movie theatre is 95. The youngest person is 10. What is the range of ages?

8. $5 \times (3 + 2) - 4$

9. What is the probability of drawing a green scarf out of a drawer if there are 6 green, 8 blue and 4 black scarves in the drawer?

10. What is the median of the following set of temperatures?

$8^\circ, 12^\circ, 14^\circ, 10^\circ, 12^\circ, 9^\circ, 6^\circ, 9^\circ$

Write answers here:

1. _____

2. _____

3. _____

4. _____

5. _____

6. _____

7. _____

8. _____

9. _____

10. _____



Mental Math

Directions to Students:

Write your answers as the questions are called out.
Each question will be repeated only once.

1

6

2

7

3

8

4

9

5

10

Answer Key

Grade 6
WEEK
2 4

Fraction Action

$>, =, >, <, =$

Solve This

There is more than 1 answer.
Possible ticket combinations:

Geometry Gems

0, 1, 2, 3, 4, 6, and an
infinite number of points of
intersection are possible.

<u>Adult</u>	<u>Children</u>
0	25
3	21
6	17
9	13
12	9
15	5
18	1

Mathematically Speaking

19.2

Probability Pizzazz

Results are not unusual. Explanations will vary.

Keeping Skills Sharp

- 5,044
- $\frac{11}{20}$
- 358.137
- 72
- 5
- The pizzas were different sizes.
- 85
- 21
- $\frac{6}{18}$
- 9.5°

Mental Math

This section provides an opportunity for sharpening students' mental computation.

- Estimate: $16.43 - 8.7$
- Estimate: $21.673 + 0.123$
- Estimate: 3.8×4.2
- $\frac{2}{5} \times \frac{10}{6}$
- $74 - 2.3$
- $2\frac{1}{2} \times \frac{1}{3}$
- Which is smaller: 16 ounces or 3 cups?
- Find $\frac{2}{3}$ of 150.
- Find 25% of 1,000.
- A square has a perimeter of 48 inches, what is the area?

Mental Math

- About 7
- About 22
- About 16
- $\frac{2}{3}$
- 71.7
- $\frac{5}{6}$
- 16 ounces
- 100
- 250
- 144 square inches