



Fraction Action

The *Titanic* is $2\frac{2}{5}$ miles below the surface of the Atlantic Ocean. If you dive at the rate of $\frac{3}{4}$ miles per hour, how long would it take you to get to the ship?

(1.04, 1.07)



Probability Pizzazz

Put six different markers (one red, two green, three blue) in a paper bag and without looking select one, record the result and return the marker to the bag. Do this 50 times. How many times was each color selected? Based on your results, determine the probability of selecting a particular colored marker.



(4.03)



Solve This!

Coach Jones has been cutting ribbons to attach to award medals. She has $\frac{1}{2}$ of a yard left. When two students give their ribbons to Coach Jones, she has a total of $\frac{3}{4}$ of a yard. What length of ribbon would be needed to make seven student award medals?

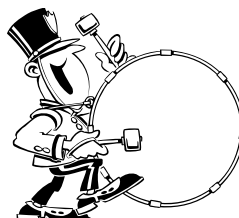


(1.04, 1.07)



Geometry Gems

Select three circular objects from home or school. Determine the radius, diameter, and **circumference** of each.



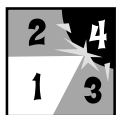
(3.02)



Mathematically Speaking

Ed and Ted spent a total of \$11.25 on raffle tickets. Ed bought five tickets and Ted bought ten tickets. Write and solve an equation to determine the cost, C , of a ticket.

(5.03)



Keeping Skills Sharp

Write answers here:

1. Add: $3 + 4 + 7 + 6 + 5 + 5$ 1. _____
2. $2\frac{1}{2} - 1\frac{1}{2} = \frac{3}{w}$ Solve for w . 2. _____
3. $6.3 + 0.63 + 63 =$ 3. _____
4. $91 \div 30 =$ 4. _____
5. 18 inches = _____ feet 5. _____
6. Find the perimeter of a rectangular garden whose length is 8 feet and whose width is 72 inches. 6. _____
7. The following high temperatures were recorded for the first six days of the month. What would the high temperature need to be on the seventh day so that the median for the seven days would be exactly the same as the median for the first six days? 7. _____
 $34^\circ, 41^\circ, 39^\circ, 43^\circ, 45^\circ, 50^\circ$ 8. _____
8. Simplify: $6 + 3 + 4 \div 2 \times 3$ 9. _____
9. If the first letters of the days of the week are put on cards (one letter per card), and the cards are put in a bag, what is the probability of drawing an "S" when drawing a card from the bag? 10. _____
10. Complete: 1, 6, 2, 6, 6, 3, 6, 6, 6, _____, _____, _____, _____, _____



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
1 6

Fraction Action

$\frac{16}{5}$ or 3.2 hours or 3hrs 12min.

Geometry Gems

Answers will vary.

Solve This!

$\frac{7}{8}$ of a yard

Mathematically Speaking

C = cost of a ticket; $5C + 10C = 11.25$; $C = \$0.75$

Probability Pizzazz

Answers will vary.

Keeping Skills Sharp

- 30
- 3
- 69.93
- $3.0\overline{33}$
- 1.5
- 28 feet or 336 inches
- 42°
- 15
- $\frac{2}{7}$
- 4, 6, 6, 6, 6

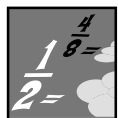
Mental Math

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

- Nearest tenth to: 8.475
- Add: $78 + 31$
- $10 + 10 + 10 + 20 + 20$
- Add: $1 + 2 + 3 + \dots + 9 + 10$
- Find one-half of 998.
- Add: $347 + 653$
- What is $\frac{1}{3}$ of 27?
- Find the area of a square with sides of 5 meters.
- Compute: $1000 - 457$
- Multiply: 43×11

Mental Math

- 8.5
- 109
- 70
- 55
- 499
- 1,000
- 9
- 25 m^2
- 543
- 473



Fraction Action

Two volunteers helped to fix up their school gym. Marc worked $2\frac{1}{6}$ hours and Kim worked $3\frac{2}{3}$ hours. How many hours did they work altogether?



(1.04)



Probability Pizzazz

Toss three fair coins 30 times and record the results. How many times did you get three heads? three tails? two heads? two tails? Based on your results what is the probability you will get two tails the next time you toss three coins?



(4.03)



Geometry Gems

Draw each of the following on a rectangular coordinate system and label the vertices.

- a scalene triangle
- a quadrilateral that is not a parallelogram
- a pentagon

(Review)



Solve This!

Five students each bring 16 yards of ribbon to school for a project. How can the ribbon be divided so that Arnie gets exactly twice as much as Susan?

(1.04, 1.07)

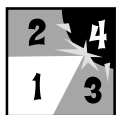


Mathematically Speaking

Solve for H :

$$4H - 3.8 = 12.24$$

(5.03)



Keeping Skills Sharp

Write answers here:

1. Solve for M : $16 + 23 + M + 17 = 60$ 1. _____
 2. What is the sum of the interior angles of an octagon? 2. _____
 3. $1.6 + 2.3 + 4 + 1.7 =$ 3. _____
 4. $4.6 \times 18.3 =$ 4. _____
 5. How many sides are there in a trapezoid? 5. _____
 6. Find the area: 6. _____
-
7. Find the range of the following measurements: 7. _____
 20 m, 10m, 22m, 12m, 14m, 14m, 5m, 27m, 45m, 32m, 24m
 8. Simplify: $3^2 \div 9 + 2 \times 7$ 8. _____
 9. If 2 fair coins are tossed, what is the probability that both will land on heads? 9. _____
 10. Complete the pattern: S, M, T, W, ____, ____, ____ 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
17

Solve This!

Arnie gets $53\frac{1}{3}$ yds, Susan gets $26\frac{2}{3}$ yds.

Fraction Action

Answer: $5\frac{5}{6}$ hours

Probability Pizzazz

Answers will vary.

Mathematically Speaking

$H = 4.01$

Geometry Gems

Answers will vary.

Keeping Skills Sharp

- 4
- 1080°
- 9.6
- 84.18
- four
- 28 cm^2
- 40 m
- 15
- $\frac{1}{4}$
- T, F, S**
(Days of the week)

Mental Math

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

- $\frac{1}{2}$ of 5
- How many centimeters are in 3 meters?
- Is $\frac{3}{8}$ closer to $\frac{1}{2}$ or 1?
- 3 hours 15 minutes = ____ minutes
- Write the ratio of 6 green balls to 10 red balls in fraction form.
- Add: $11.3 + 12.81$
- What is $\frac{2}{5} \div 4$?
- Compute: $16 - 1.84$
- 25×8
- Add: $\frac{1}{4} + \frac{2}{4} + 5$

Mental Math

- $2\frac{1}{2}$ or 2.5
- 300 centimeters
- $\frac{1}{2}$
- 195
- $\frac{6}{10}$
- 24.11
- $\frac{1}{10}$
- 14.16 9. 200
- $5\frac{3}{4}$



Fraction Action

Paul works for 3 hours. Sally works

$2\frac{1}{2}$ times as long as Paul. Rasheed works $\frac{3}{4}$

hour less than Paul. Toshi works $1\frac{1}{3}$ times as

long as Rasheed. How long does each person work?

(1.04, 1.07)



Probability Pizzazz

Roll two fair number cubes (numbered 1-6), 30 times and record the product of the two numbers. How many times was the product an odd number? a number greater than or equal to twenty? a number smaller than six?

Based on your results, what is the probability that the product will be an even number the next time you roll the cubes?

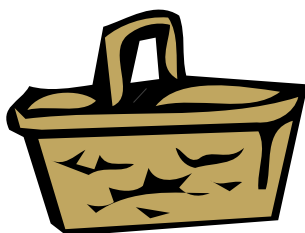


(4.03)



Solve This!

At a class picnic there are seven more students than adults. If there are 39 people in all, how many students are there?

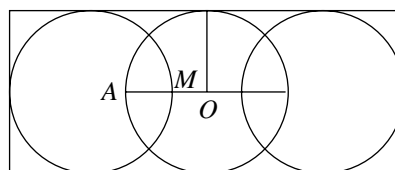


(5.03)

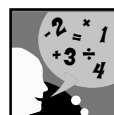


Geometry Gems

The three circles in the figure are congruent. Point M is the midpoint of \overline{AO} and $AM = 3$ cm. Find the area of the rectangle



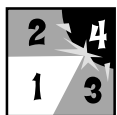
(2.02)



Mathematically Speaking

At the school fair a hotdog costs twice as much as a bag of popcorn, and a drink is 50¢ less than a hotdog. If P represents the price of popcorn, write an expression to represent the total cost of two hotdogs, two drinks and a bag of popcorn.

(5.02)



Keeping Skills Sharp

1. $23 \square$

$1 \square 9$

$+ \square 14$
 $\hline 618$

2. Shade in $\frac{2}{3}$ of the squares.



3. $2 \square .4$

$- 2.89$
 $\hline 23.5 \square$

4. If four cats each catch eight mice every day, how many mice will they catch during the month of January?

5. If you run 1,760 feet in a race, what part of a mile is this?

6. How many feet of fencing do I need if two sides of my backyard are each 6 yards, one side is 15 yards and the house will be used as the fourth side?

7. Find the median weight for the following measurements:

85 lbs, 68 lbs, 42 lbs, 44 lbs,

31 lbs, 32 lbs, 48 lbs, 65 lbs,

35 lbs, 28 lbs

8. Simplify: $6 \times 2 + 4 - 8 \div 2$

9. If the probability of John making a 100 on his test was 80%, what is the probability of John not making a 100?

10. Complete the pattern:

6, 8, 7, 9, 8, 10, 9, __, __, __

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

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10

Answer Key

Grade 6
WEEK
18

Fraction Action

Paul works 3 hours.
Sally works 7.5 hours.
Rasheed works 2.25 hours.
Toshi works 3 hours.

Geometry Gems

The rectangle is 30 by 12, area is 360 cm^2 .

Solve This!

There are 23 students and 16 adults.

Mathematically Speaking

9 P - 100

Probability Pizzazz

Answers will vary.

Keeping Skills Sharp

- $$\begin{array}{r} 235 \\ 169 \\ + 214 \\ \hline 618 \end{array}$$
- ■ ■ ■ □ □
- $$\begin{array}{r} 26.4 \\ - 2.89 \\ \hline 23.51 \end{array}$$
- 992
- $\frac{1}{3}$
- 81 feet
- 43 lbs
- 12
- 20%
- 11, 10, 12

Mental Math

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

- How many days are in two years?
- Estimate: $4.6 + 6.2 + 7.84$
- How many centimeters are in one kilometer?
- Write in fraction form: 0.05
- $250 + 10 + 100$
- $\frac{5}{8} - \frac{4}{8}$
- $0.64 \div 0.2$
- $2 \div \frac{1}{2}$
- $1.3 + 4.2$
- $3\frac{1}{2} - 1\frac{1}{2}$

Mental Math

- 730 days
- 19
- 100,000
- $\frac{5}{100} = \frac{1}{20}$
- 360
- $\frac{1}{8}$
- 3.2
- 4
- 5.5
- 2