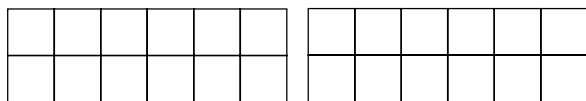


### Fraction Action

Shade in the diagram below to show  $1\frac{5}{12}$ . Shade using hash marks .

Now shade the model to show subtracting  $\frac{5}{4}$  .



What is  $1\frac{5}{12} - \frac{5}{4}$ ?

(1.04, 1.07)



### Probability Pizzazz

Draw a spinner, using numbers less than 20, that satisfies the following conditions:

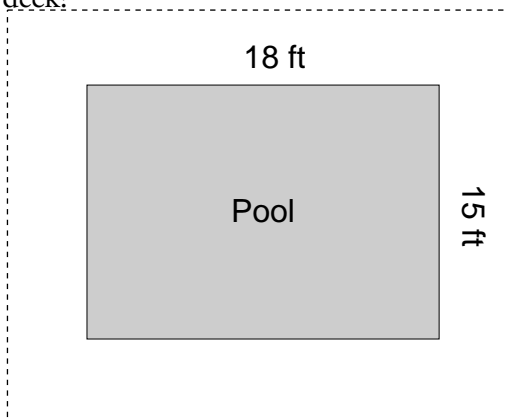
- the probability of spinning a prime number is 25%
- the probability of spinning an even number is 50%
- the probability of spinning an odd number is 50%

(4.04)



### Solve This!

A deck 3 feet wide is to be built on each side of the pool as shown below. What is the area of the deck?



(2.02)



### Measurement Gems

A sailboat has a mast that holds a triangular sail. The sail has a base of twelve meters and a height of nine meters. The cost of the sail is \$15 per square meter. What will it cost to make the sail?



(2.02)



### Mathematically Speaking

Find the population of five different countries. Write these data in both standard form and scientific notation.

(1.06)



# Keeping Skills Sharp

1. What is the ratio of circles to triangles?



Write answers here:

1. \_\_\_\_\_

2. Write 236 in expanded form using exponents.

2. \_\_\_\_\_

3. 572.3907 to the nearest tenth is ?

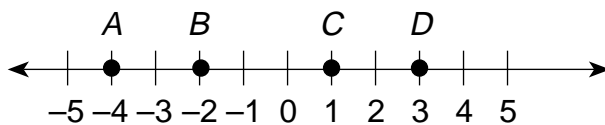
3. \_\_\_\_\_

4. What is the value of the 3 in 2.03467?

4. \_\_\_\_\_

5. What is the opposite of the number at point *D*?

5. \_\_\_\_\_



6. \_\_\_\_\_

6. Name the first five positive multiples of 8.

7. \_\_\_\_\_

7. What is the prime factorization of 36?

8. \_\_\_\_\_

8. Find the product:  $15.8 \times 2.7$

9. \_\_\_\_\_

9. 1,756 to the nearest hundred is ?

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  
29

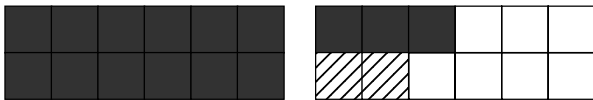
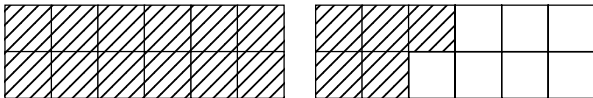
## Measurement Gems

The area of the sail is 54 square meters. Cost would be  $54 \times 15 = \$810$ .

## Solve This!

234 square feet

## Fraction Action



$$\frac{2}{12} \text{ or } \frac{1}{6}$$

## Mathematically Speaking

Answers will vary.

## Probability Pizzazz

Answers will vary.

## **Mental Math**

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

1. What is 30% of 60?
2. What number is halfway between 50 and 100?
3. Write in standard form:  $7.2 \times 10^3$
4. What is  $\frac{2}{3}$  of 18?
5.  $4.5 - 1.21$
6. How much time is there from 9:00 a.m. until 3:30 p.m.?
7.  $259 + 99$
8. If you go 540 miles in 27 hours, how many miles per hour are you travelling?
9. Write 0.86 as a percent.
10. Write in standard form  $2 \times 10^4$ .

## **Keeping Skills Sharp**

1. 3:4; 3 to 4; or  $\frac{3}{4}$
2.  $(2 \times 10^2) + (3 \times 10^1) + (6 \times 10^0)$
3. 572.4
4. three hundredths
5. -3
6. 8, 16, 24, 32, 40
7.  $2^2 \times 3^2$
8. 42.66
9. 1,800
10. 9

## **Mental Math**

1. 18
2. 75
3. 7,200
4. 12
5. 3.29
6. 6 hours, 30 minutes
7. 358
8. 20 miles per hour
9. 86%
10. 20,000