

I Estimates:

During a five day period, Samuel work $3 \frac{1}{4}$ hours on Monday, $2 \frac{2}{3}$, 4 hours Wednesday and $\frac{3}{4}$ of an hour Friday. A good estimate for his total hours would be: _____

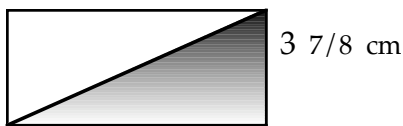
Jamie had \$ 708 in his saving account while Sam had \$ 312. A good estimate for the difference between them would be _____

Jason had 28 bottles. There were approximately 37 pins in each bottle. A good estimate for the total number of pins would be _____

25% of the apples in the crate were rotten. If there were 35 apples in the crate, a good estimate for the number of bad apples would be: _____

James was riding his bicycle 19 miles/per hour. If he rode 3.5 hours, a good estimate for the total distance he rode would be: _____

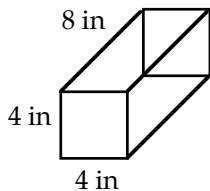
$8 \frac{1}{8}$ cm



A good estimate for the area and perimeter of the rectangle would be: Area _____

Perimeter _____

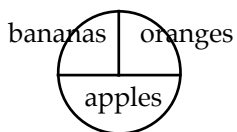
A good estimate for the area of the shaded triangle would be: Area _____



A good estimate for the total surface area of this box would be: _____

If $y = 4.96$, the approximate value of $3y - 5$ would be: _____

If $m = 3.8$ and $c = 6.05$, a good estimate for the value of the expression $4c - 6m$ would be: _____



This Pie Chart represents the bananas, apples and oranges purchased for the picnic. If the total purchase was 47 pieces of fruit, approximately how many bananas were purchased? _____

Meredith bought 2.6 pounds of meat to make a burgers for her BBQ. Approximately how many ounces of beef did she purchase? _____

Edward claimed he'd been around the sun more times than his cousin Tim. What were they comparing ?

Mathematics
August

Name _____

II Operations Whole numbers

1 $3054 - 1898 =$ _____ 2 $5869 + 7486 =$ _____

3 $567 \times 94 =$ _____ 4 $5682/34 =$ _____

III Operations Decimals/Percents

4 Write 5.6 as a simplified mixed number _____

5 Write $3 \frac{48}{1000}$ as a decimal _____

6 Write 7% as a decimal _____ and a fraction _____

7 Write .48 as a fraction _____ and a percent _____

III Operations Decimals/Percents

8 $8 + 2.34 =$ _____ 9 $16 - 7.39 =$ _____

10 $26.07 + 14 + .056 =$ _____ 11 $3.06 \times 8.7 =$ _____

12 $74.072 \div 6.3 =$ _____

13 Round 5.0957 to the 10th place _____ 100ths _____ 1000ths _____

IV Operations Fractions

$3 \frac{1}{3} + 2 \frac{2}{3} =$ _____ $4 + 3 \frac{5}{8} =$ _____

$8 - 3 \frac{3}{4} =$ _____ $2 \frac{1}{2} + 3 \frac{1}{4} =$ _____

$5 \frac{2}{3} + 3 \frac{3}{4} =$ _____ $8 \frac{1}{3} - 2 \frac{3}{4} =$ _____

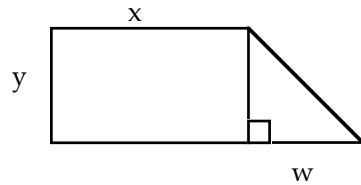
V Applications

1 Seth finished the distance race in 3 hours 21 minutes and 17 seconds, 56 minutes 45 seconds behind his buddy Ethan. How long did it take Ethan to finish the race ? _____

2 Timothy purchased 6 yards of rope for the swing he was constructing. He gave Samuel $2 \frac{2}{3}$ feet. How much rope did Tim have left ? _____

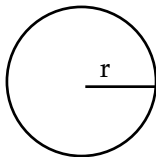
V Applications

- 3 The figure below is a rectangle abutting a right triangle. If $w = 6''$, $x = 8''$ and $y = 4''$, what is the total area of this figure ?



- 4 The temperature one wintery, cold Friday in Boise was -7° . Saturday the temperature rose 9° , Sunday it dropped 4° , Monday it dropped another 6° , Tuesday it stayed steady, Wednesday it went up 2° and Thursday it dropped another 3° . What was the temperature after Thursday's reading ?

5



This circle has a radius 'r' of $4''$. What is approximate area and circumference of the circle ?

area

circumference

- 6 120 kids were asked how much homework they did a night. 55% said 30 minutes, 25 % indicated 60 minutes and the rest said they studied over 2 hours. What percent said they studied over two hours per night ?

- 7 $\frac{5}{8}$ of the science class went on the field trip. The class has 48 students. How many did not go on the field trip ?

- 8 If Emily drove at an average speed of 59 miles per hour, would she make it to Terry's house 348 miles away in 6.5 hours ?

- 9 A bag contains eight green crayons, nine blue crayons, seven red crayons four brown crayons and six black crayons. What are the odds of drawing a green or black crayon without looking ?

- 10 Timothy had an 8 foot piece of decorative twine. How many full pieces of twine could he get if decided to cut the twine into 9 inch pieces?

- 11 Elizabeth has quiz scores of 86%, 78%, 70%, 83% and 82%. She calculated her average to be 89%. Did she make an error ? Explain.

- 12 James finished the race in 3 hours 25 minutes and 16 seconds which was 46 minutes and 38 seconds behind William. How long did it take William to finish the race ?

VI Enough Information to solve

1 The Beautifulous Lengthus vine grows at a rate of 28" per month. How long will the vine be is 2 years ? _____

2 Emily reads 36 pages an hour. Her favorite 2 favorite books are To Kill A Mockingbird (15 chapters) and Great Expectations (24 chapters). How long would it take her to complete both books ? _____

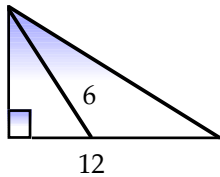
3 One side of a rectangle is 8.5 inches in length. The total perimeter is 37 inches. What is the length of the other side ? What is the area ? _____

4 Jason will burn off an average of 350 calories/hour on his elliptical trainer and 75 calories and hour doing aerobic exercising. If he works on the elliptical 2 hours and performs aerobics for 1.5 hours, how long will it take him to burn off the burger, fires and milkshake he had yesterday ? _____

5 Mr. Jacobs is 7 years older than twice his daughter's age. If his daughter is 14 years old, Mr. Jacob's wife's age can be determined. _____

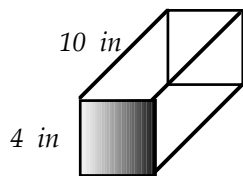
6 Timothy left his cabin 357 miles from home at 9:30 am traveling at a rate of 58 miles per hour. Will he reach home in by 1:30 in the afternoon ? _____

7 The area of this triangle can be determined _____



8 Tina's meal was \$11.89. Joseph's was \$ 8.13. They decided to leave a 10% tip. If tax was \$2.58, the total cost of the meal can be determined? _____

9 The volume and total surface area of this prism can be determined _____



10 Gerald's airplane flight # 342 took off from runway # 4 at 3:45 pm for a hour trip to Chicago. The jet was traveling at a rate of 275 mph. The exact time of arrival can be determined. _____