

Name _____

1. Rewrite the equation using the inverse operation.

$32 \times 68 = 2176$

2. Any segment that has both endpoints on a circle's circumference is a(n)
- a. diameter
 - b. chord
 - c. tangent
 - d. central angle



I ran 10 times the number of days that the other sneakers ran, plus five more!

3. Write the expression to match the words:

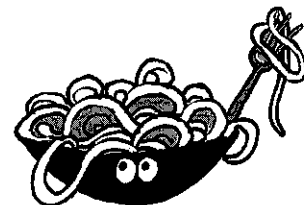
the sum of ten times a number (x) and five

4. List all the possible outcomes for the random selection of the name of a month with 30 days.

5. Before a bodybuilding competition, Sabrina piled up a plate with 83 ounces of pasta. She ate 75 percent of it in nine minutes.

Use only mental math to estimate . . .

- a. how much pasta she ate.
- b. how much she ate per minute.



Maybe it's time for a spaghetti break?

Name _____

1. Compute:

$23.08 - 7.26 =$

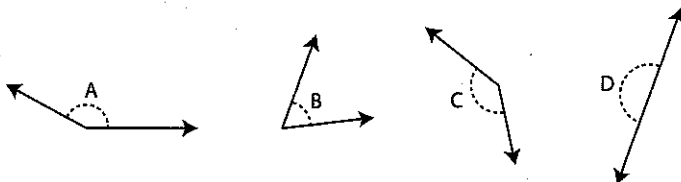
2. Circle the prime numbers.

3 14 19 24
25 29 31

3. Fill in the missing integer.

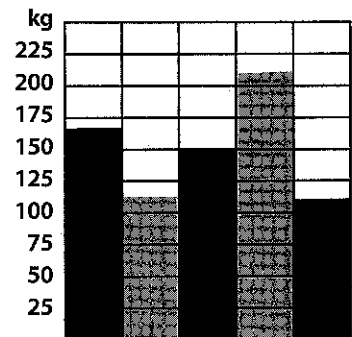
$-10 + 8 + \underline{\quad} = -20$

4. Which angles are obtuse?

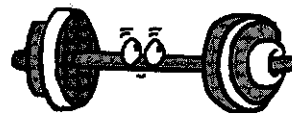


5. Which athlete lifted about ten percent more than Ralph?

Oakdale Lifting Competition



Wade Cal Ralph Sam Ty



Name _____

- A negative number divided by a negative number yields a
 - positive number
 - negative number
- Is this reasonable?

Jessica's weightlifting team drinks plenty of water during the hour that follows a competition. There are nine team members. One team member estimates that they drank 12 kiloliters after yesterday's competition.



- Compute: $-25 \div 5 =$
- Rosa wants to show the time she has spent training each month for the last year. The best way to do this is with a

a. line graph	c. double bar graph
b. circle graph	d. pictograph

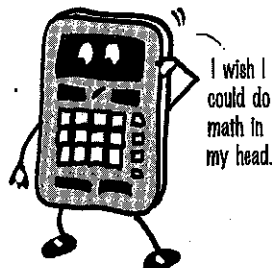
5. Which figures are symmetrical?

Name _____

- Use words to write this expression: $\frac{d}{10}$
- Convert the measurement of the weight Max just lifted.

$122,000 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$

- Compute: $\frac{1}{3} \div \frac{3}{4} =$



- Which are **common multiples** of 4 and 7?

24	28	56	70
42	84	91	112

5. Set up a proportion that could be used to solve this problem.

Greg took first place in eight out of the last fifteen bodybuilding competitions he entered. At this rate, how many contests will he need to enter to win forty?

Way to go, Greg.

Name _____

1. Estimate the solution:

$182 - 97 + 41 =$

2. Find the average of these numbers.

42, 120, 75, 64, 93, 86

3. What are the **common factors** of **63** and **42**?

4. Which equation matches the words?

The sum of fifty-four and a number squared is seventy.

- a. $54 + n = 70$
- b. $54 + 70 = n^2$
- c. $54 + n^2 = 70$
- d. $70 - n^2 = 54$

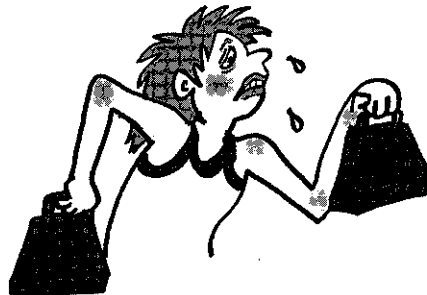


5. Challenge Problem

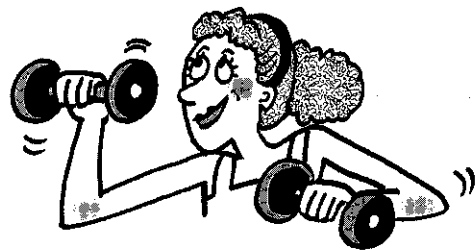
Weightlifters on Lulu's team have made some calculations about their statistics. Examine their answers and conclusions to find out if they have calculated accurately. Give a **yes** or **no** answer for each item. If the calculation is wrong, give the correct answer.

Calculations:

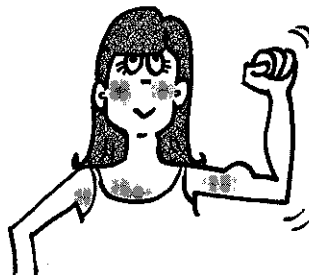
- a. The average age is 26.
- b. Our average body weight is 59 kg.
- c. The team member who started weightlifting at the youngest age is Lulu.
- d. The average weight lifted is 156 kg.
- e. The person who has 16 fewer years of experience than Maria is Simone.
- f. The person whose best lift is about 40 kg less than Lulu's is Simone.



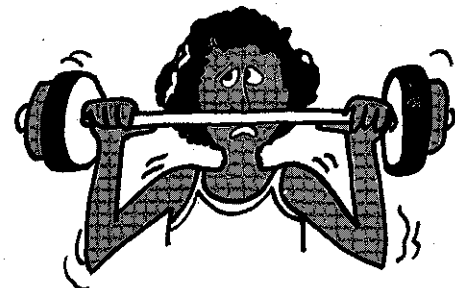
Simone
 Age: 21
 Body Weight: 63 kg
 Years Weightlifting: 2000-2005
 Record Weight Lifted: 141kg



Lulu
 Age: 18
 Body Weight: 55 kg
 Years Weightlifting: 1998-2005
 Record Weight Lifted: 183.5 kg



Bernadette
 Age: 31
 Body Weight: 60 kg
 Years Weightlifting: 1996-2002
 Record Weight Lifted: 124.5 kg



Maria
 Age: 34
 Body Weight: 50 kg
 Years Weightlifting: 1982-2003
 Record Weight Lifted: 175 kg