

- 1)  $10 + 56$   $66$
- 2)  $59 - 11$   $48$
- 3)  $\frac{1}{2}$  of 42  $21$
- 4)  $2\,000 \div 10$   $200$
- 5)  $15 \div 5$   $3$
- 6)  $32 \times 10$   $320$
- 7)  $80 \times 2$   $160$
- 8)  $11 \times 25$   $275$
- 9)  $808 \div 2$   $404$
- 10)  $275 \div 25$   $11$



1. factor
2. multiple
3. divisible
4. sum
5. product

# Pop Quiz

6 if the number is divisible  
by 2 and by 3

Which of these numbers are divisible by 6? How do you know?

✓  
36  
 $3+6=9$

✗  
24  
 $2+4=6$

✗  
22  
 $2+2=4$

✗  
68  
 $6+8=14$

✗  
116  
 $1+1+6=8$   
35

✓  
90  
 $9+0=9$

✗  
64  
 $6+4=10$

- 2.** Write 3 numbers that are divisible by 6. How did you choose the numbers?
- 3.** Which of these numbers is 229 344 divisible by? How do you know?  
a) 2      b) 3      c) 4      d) 5      e) 6      f) 8      g) 9      h) 10
- 4.** Use the divisibility rules to find the factors of each number.  
How do you know you have found all the factors?  
a) 150      b) 95      c) 117      d) 80
- 5.** Use a Carroll diagram.  
Which numbers are divisible by 4? By 9? By 4 and by 9? By neither 4 or 9?  
144   128   252   153   235   68   120   361   424   468

**7. Assessment Focus**

- a) Write a 3-digit number that is divisible by 5 and by 9.  
How did you choose the number?
- b) Find the factors of the number in part a. Use the divisibility rules to help you.
- c) How would you find the greatest 3-digit number that is divisible by 5 and by 9? The least 3-digit number? Explain your methods.

9. Suppose you have 24 cereal bars.  
You must share the bars equally with everyone in the classroom.  
How many cereal bars will each person get, in each case?
- a) There are 12 people in the classroom.
  - b) There are 6 people in the classroom.
  - c) There is no one in the classroom.
  - d) Use your answer to part c.  
Explain why a number cannot be divided by 0.



