

 **Use Your Head**

Use mental math strategies to solve each problem.

1. Find number  $N$  that makes each sentence true.

A.  $30 \div N = 6$

B.  $N \div 6 = 7$

C.  $24 \div 6 = N$

D.  $36 \div N = 9$

E.  $N \div 8 = 8$

F.  $16 \div N = 2$

G.  $21 \div 3 = N$

H.  $32 \div N = 8$

2. Solve.

A.  $40,000 \div 80 =$

B.  $720 \div 90 =$

C.  $3600 \div 6 =$

D.  $270 \div 30 =$

E.  $48,000 \div 80 =$

F.  $2000 \div 5 =$

G.  $81,000 \div 90 =$

H.  $3500 \div 70 =$

3. Follow the order of operations to solve each of the following.

A.  $5 \times 3 + 14 =$

B.  $(33 + 7) \times 9 =$

C.  $45 + 45 \div 9$

D.  $7^2 + 8 \times 3 =$

E. Explain how you solved Question D.