

Grade Six
Mathematics

Name: _____ Date: _____

Using Patterns to Calculate

Use the first number fact in each set and the patterns you know to find the answers of the other facts mentally.

1. $15 \times 7 = 105$, work out 15×70 :
2. $32 \times 6 = 192$, work out $32 \times 6\,000$:
3. $8 \div 4 = 2$, work out $80 \div 40$:
4. $36\,000 \div 1\,000 = 36$, work out $3\,600 \div 100$:

Use your mental strategies to calculate the following:

5. $45 \times 100 =$
6. $86 \div 100 =$
7. $9\,900 \times 10 =$
8. $4.5 \times 1\,000 =$

Solve the following word problems.

9. There are ten people attending a school concert. Each ticket cost \$4.25. How much money was spent on tickets?

Ans:

10. E. P. Roberts School has made \$12 000 from their ticket booth at their school fair. If they sold one thousand tickets, what is the cost of each ticket?

Ans: