Multiplication Facts: Use Patterns

Dear Family,

   Your child is learning to multiply using 0, 1, 2, 5, 9, and 10 as factors. Help him or her learn these multiplication facts by using patterns.
   Skip counting patterns can help your child with multiplication facts using 2, 5, or 10 as factors. For example, to find 2×7 or 7×2, skip count by 2s seven times.

   2, 4, 6, 8, 10, 12, 14 $7 \times 2 = 14$

   Some patterns are more easily seen by looking at a multiplication table or writing number sentences. For example, to find 6×5 or 5×6, you can find 1×5, 2×5, 3×5, etc. and continue the pattern to find 6×5.

   $1 \times 5 = 5$ The pattern is the same as counting by 5s:
   $2 \times 5 = 10$ 5, 10, 15, 20.
   $3 \times 5 = 15$
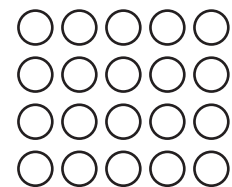 $4 \times 5 = 20$

   Make or buy a set of multiplication flash cards, and play this game with your child.

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Penny Patterns

Materials cards with multiplication problems where 0, 1, 2, 5, 9, and 10 are factors, 100 pennies

Step 1 Mix the multiplication cards and place them face down.

Step 2 Player 1 turns over a card without Player 2 seeing it. Player 1 then uses pennies to show the multiplication problem. For example, if the problem is 4×5, Player 1 could place the pennies in 4 rows of 5 pennies each.

Step 3 Player 2 looks at the penny pattern and says what multiplication problem is on the card and gives the answer.