

10x10 Abacus Activities

The Importance Of 10!

1. Counting and Skip Counting
2. Number Bonds 10,20,30,40,50...100
3. Adding By 5 Grouping
 - a. $7+5 = (5+5) + (2) = 10 + 2 = 12$
 - b. $6+6 = (5+5) + (1+1) = 10 + 2 = 12$
 - c. $8+6 = (5+5) + (3+1) = 10 + 4 = 14$
4. Adding By 10 Grouping and Partial Sums
 - a. $7+5 = (7+3)+2 = 10+2 = 12$
 - b. $6+6 = (6+4)+2 = 10+2 = 12$
 - c. $8+6 = (8+2)+4 = 10+2 = 12$
 - d. $28+6 = (28+2)+4 = 30+ 4 = 34$
 - e. $18+16 = (18+2)+14 = (20+10)+4 = 30+4 = 34$
 - f. $58+24 = (58+2)+22 = (60+20)+2 = 80 + 2 = 82$
5. Subtracting by Rounding and Correcting
 - a. $8-3 = 5$
 - b. $12-9 = (12-10)+1 = 2+1 = 3$
 - c. $15-9 = (15-10)+1 = 5+1 = 3$
 - d. $26-8 = (26-10)+2 = 16+2 = 18$
 - e. $34-8 = (34-10)+2 = 24+2 = 26$
6. Multiplication By Repeated Addition
 - a. $5 \times 2 = 2 + 2 + 2 + 2 + 2$
 - b. $2 \times 5 = 5 + 5$
 - c. $6 \times 2 = 2 + 2 + 2 + 2 + 2 + 2$
 - d. $2 \times 6 = 6 + 6$
 - e. $2 \times 6 = (2 \times 5) + (2 \times 1) = 10 + 2 = 12$
 - f. $2 \times 4 = 4 + 4$
 - g. $2 \times 4 = (2 \times 5) - (2 \times 1)$
 - h. $2 \times 9 = 9 + 9 = 10 + 8$
 - i. $2 \times 9 = (2 \times 10) - (2 \times 1)$

7. $6 \times 6, 7 \times 7, 8 \times 8$
8. Division By Repeated Subtraction
 - a. $12 \div 4 =$ How many times can I subtract 4 from 12?
What's left over?
 - b. $27 \div 5 =$ How many times can I subtract 5 from 27?
What's left over?
 - c. $100 \div 25 =$ How many times can I subtract 25 from 100? What's left over?
9. Division by Sharing
 - a. $8 \div 4$ I share 8 apples among 4 friends, how many will each get? What's Left over?
 - b. $12 \div 5$ I share 12 bones with 5 dogs, how many will each get? What's Left over?

Turn On End!

$\begin{array}{r} 143 \\ + 635 \\ \hline \end{array}$	$\begin{array}{r} 573 \\ + 635 \\ \hline \end{array}$	$\begin{array}{r} 635 \\ - 573 \\ \hline \end{array}$
---	---	---