Mental math ideas

1) $7 \times \$8.99$. Since \$8.99 is just one cent less than \$9, first calculate $7 \times \$9$, and subtract from that 7×1 cent. Result \$ _____

2) $6 \times \$4.05$. Just multiply separately the dollars and cents: $6 \times \$4$ is \$24, and 6×5 cents is 30 cents. Total \$ _____

3) $4 \times \$3.25$. Multiply dollars and cents separately. Remember 4×25 cents is 1 whole dollar. Total \$ _____

4) $5 \times \$6.25$. Multiply dollars and cents separately. Since 4×25 cents is 1 dollar, then 5×25 cents make \$1.25. Total \$ _____

5) $2 \times \$1.75$. Two times 75 cents is \$1.50. Total \$ _____

6) $4 \times \$3.75$. Calculate $4 \times \$4$, and subtract from that 4×25 cents. Total \$ _____

7) $\$100 - \$34.57$. Subtract each of the digits 3, 4, and 5 from 9. The last one, 7, subtract from 10. To see the reason for this rule, subtract in columns and do all the borrowings.

8) $\$10 - \$5.38$. Subtract the digits 5 and 3 from 9. The last one, 8, subtract from 10. Result \$_____

9) Subtraction itself may be easier by thinking of the difference or "adding up to". For example \$10 - \$3.76. Difference of 3 and 9 - six. Difference of 7 and 9 - two. Difference of 6 and 10 - four. Result \$_____

10) $\$1 - \$0.73$. Subtract or find the difference of 7 and 9. The last one, 3, subtract from 10. Result \$ _____

10. Find the change for items with these prices. Use the mental math rule "Subtract all digits from 9 except the last one from 10."

from $10:	from $10:	from $10:	from $100:	from $100:
a. $4.76	d. $1.56	g. $7.65	j. $14.76	m. $24.35
b. $2.38	e. $1.99	h. $8.30	k. $22.90	n. $81.95
c. $9.23	f. $2.45	i. $2.55	l. $34.50	o. $45.54

11. Word problems.

a. A pencil costs \$0.45, an eraser \$0.30, and a pencil sharpener \$0.30. What is the cost of all three?

You give \$5 for the purchase. What is your change?