## **Multiplication Strategy Examples**

Representational: Invented Strategies Examples	Abstract: Standard Algorithm(s) Examples
	Problem:
	13 x 8= ?
(176) (176) 10	Solution Path: Partial Product Algorithm
Solution Path: Derived Fact Strategies:	Soldton i den. Tardar Fodace Algoritim
	13
Doubling	x <u>8</u>
$(4 \times 6) + (4 \times 6) =$	24
	+ <u>80</u>
24 + 24 = 48	104
	104
Problem:	Problem:
	15 x 7 = ?
<b>Solution Path:</b> Derived Fact Strategies:	Solution Path: Partial Product Algorithm
=	John Turn Turnar Todace Algorithm
ivear a square	10 x 7 = 70
6 v 6 - 36	5 x 7 = 35
	3 7 - 33
1 × 0 - 0	70 + 35 = 105
26   6 - 42	70+33-103
30 + 6 - 42	
Problem:	Problem:
	32 x 46= ?
36 x 9 - :	32 \ 40- :
Solution Path: Partial Products by Tens	Solution Path: Partial Product Algorithm
_	Solution Fath. Fathar Founce Algorithm
and ones	22
10 × 0 = 00	32
	x <u>46</u>
	12
	180
0 X 9 - 72	80
00 + 00 + 00 + 72 = 242	+ <u>1200</u>
90 + 90 + 90 + 72 - 342	1472
Dyahlami	Problem:
	23 x 19 = ?
34 x 43 -:	23 x 19 - :
Solution Path: Array Model	Solution Path: Standard Algorithm
_	Jointion Facil. Standard Algorithm
40 5	
	2 2
	2 3
30   1200   150	x 1 9
	2 0 7
	+ 2 3 0
4 160 20	4 3 7
	., ., ,
1200 + 150 + 160 + 20 = 1530	
	Solution Path: Derived Fact Strategies: Doubling



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