

Teacher Led Challenge Set: **Multiplication**

TEACHER RESOURCE

Challenges on this sheet all use a combination of addition, subtraction and multiplication.

Subtraction & Multiplication

Scoring Dice	Target Number	Solution
2 3 5	7	$((2*5)-3)$
1 3 4	9	$((4-1)*3)$
3 4 5	11	$((3*5)-4)$
2 4 5	12	$((5-2)*4)$
1 4 5	15	$((4-1)*5)$
4 5 6	19	$((4*6)-5)$

Scoring Numbers 2 5 6

Scoring Dice	Target Number	Solution
2 5 6	7	$((2*6)-5)$
2 5 6	16	$((2*5)+6)$
2 5 6	17	$((2*6)+5)$
2 5 6	20	$((6-2)*5)$
2 5 6	40	$((2+6)*5)$
2 5 6	42	$((2+5)*6)$

Scoring Numbers 3 4 5

Scoring Dice	Target Number	Solution
3 4 5	7	$((3*4)-5)$
3 4 5	11	$((3*5)-4)$
3 4 5	19	$((3*5)+4)$
3 4 5	27	$((4+5)*3)$
3 4 5	32	$((3+5)*4)$
3 4 5	35	$((3+4)*5)$

Scoring Numbers 3 5 6

Scoring Dice	Target Number	Solution
3 5 6	9	$((3*5)-6)$
3 5 6	12	$((5-3)*6)$
3 5 6	13	$((3*6)-5)$
3 5 6	15	$((6-3)*5)$
3 5 6	21	$((3*5)+6)$
3 5 6	23	$((3*6)+5)$
3 5 6	27	$((5*6)-3)$
3 5 6	33	$((5*6)+3)$
3 5 6	45	$((3+6)*5)$
3 5 6	48	$((3+5)*6)$

Target 17

Scoring Dice	Target Number	Solution
1 3 6	17	$((3*6)-1)$
1 4 4	17	$((4*4)+1)$
2 3 5	17	$((3*5)+2)$
2 5 6	17	$((2*6)+5)$
3 4 5	17	$((3*4)+5)$ or $((4*5)-3)$

Target 13

Scoring Dice	Target Number	Solution
1 2 6	13	$((2*6)+1)$
2 4 5	13	$((2*4)+5)$
3 3 4	13	$((3*3)+4)$
3 5 6	13	$((3*6)-5)$
3 4 4	13	$((4*4)-3)$