

Name:

Date:

Morgan is playing the Name That Number game. Her five cards and the target number are shown below.

Target Number

12	8	10	4	2		12
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- Write down different mathematical expressions Morgan could use to make 12 using any of the five cards she has.
- Complete the table by listing the cards used and the points earned.

Cards Used	Mathematical Expression	Points

Name: ANSWER KEY

Date:

Morgan is playing the Name That Number game. Her five cards and the target number are shown below.

Target Number

12	8	10	4	2		12
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- Write down 4 different mathematical expressions Morgan could use to make 12 using any of the five cards she has. *Answers will vary.*

Cards Used	Mathematical Expression	Points
12	12	1
10, 2	$10 + 2$	2
8, 4	$8 + 4$	2
10, 4, 2	$10 + (4/2)$	3
10, 8, 4, 2	$(10-8) \times (4 + 2)$	4
12, 8, 10, 2	$12 + 10 - 8 - 2$	4
12, 8, 4, 2	$(12 - 8) \times 2 + 4$	4
12, 8, 10, 4, 2	$(10-4) \times (8/2) - 12$	5
12, 8, 10, 4, 2	$12 - (10 - 8) + (4 - 2)$	5