

Objective: Derive, recall and use multiplication and division facts for 3, 4 and 8 times tables

Year 4 Task: Grab and Group

Game for 2 players

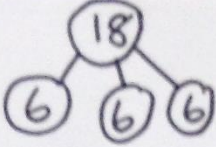
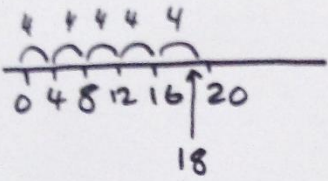
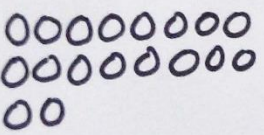
Equipment: A large number of small items eg paper clips, counters, buttons

1. Place the items in a pile on the table
2. Each player grabs a handful of items from the pile
3. Each player then tries to group their items into equal groups of 3 without any remainder. If they can they score 3 points
4. Each player then tries to group their items into equal groups of 4 without any remainder. If they can they score 4 points
5. Each player then tries to group their items into equal groups of 8 without any remainder. If they can they score 8 points

The person with the most points wins.

Worked example

For example, if you grabbed 18 items you would score 3 points.

<p>Groups of 3 ✓ 3 points</p>		<p>$6 + 6 + 6 = 18$ $6 \times 3 = 18$</p>
<p>Groups of 4 X 4 points</p>		<p>18 divided into groups of 4 $18 \div 4 = 4$ groups of 4 and 2 left over $18 \div 4 = 4 \text{ r } 2$</p>
<p>Groups of 8 X 8 points</p>		<p>$8 \times 2 = 16$ $18 \div 8 = 2$ groups of 8 remainder 2 $18 \div 8 = 2 \text{ r } 2$</p>

Variation

6. Place the items in a pile on the table
7. Each player grabs a handful of items from the pile
8. Each player then tries to group their items into equal groups of 3 without any remainder. If they can they score 3 points
9. Each player then tries to group their items into equal groups of 4 without any remainder. If they can they score 4 points
10. Each player then tries to group their items into equal groups of 8 without any remainder. If they can they score 8 points
11. A player who has selected a multiple of 5 and states this can have a bonus of 10 points

The person with the most points wins.