



Math Talk Samples

<p>Set A</p> <p>4 + 7</p>	<p>Set B</p>	<p>Set C</p>	<p>Set D</p> <p>11</p>
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Set B $4 + 7$ is equal to $7 + 4$

Set C $7 + 4$ is equal to $7 + 3$ and 1 more

Set D $7 + 4 = 11$ and $4 + 7 = 11$



Add to 20: Card Sort

Group size – 2 or 3 students

- 1 Shuffle each **Set A, B, C and D**. (Keep in separate piles)
- 2 Place all **Set A** cards face up in two columns.

<p>Set A →</p> <p>Set B →</p> <p>Set C →</p> <p>Set D →</p>	<table style="width: 100%; border-collapse: collapse;"> <tr> <td style="width: 50%; vertical-align: top;"> <p>Set A</p> <p>Column 1</p> <p>1</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$6 + 9$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$9 + 9$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$4 + 7$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$8 + 9$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$7 + 5$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">11</div> </td> <td style="width: 50%; vertical-align: top;"> <p>Set A</p> <p>Column 2</p> <p>2</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$9 + 5$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$7 + 8$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$6 + 7$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$9 + 7$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$6 + 8$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$8 + 4$</div> </td> </tr> </table>	<p>Set A</p> <p>Column 1</p> <p>1</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$6 + 9$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$9 + 9$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$4 + 7$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$8 + 9$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$7 + 5$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">11</div>	<p>Set A</p> <p>Column 2</p> <p>2</p> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$9 + 5$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$7 + 8$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$6 + 7$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$9 + 7$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$6 + 8$</div> <div style="border: 1px solid black; padding: 2px; margin-bottom: 5px;">$8 + 4$</div>
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- 3 Take turns, choose the top card from **Set B**, place it next to the matching card from **Set A**. Describe each match up.
- 4 Continue to take turns with **Set C** cards. Describe each match up.
- 5 Continue to take turns with **Set D** cards. Describe each match up.



<p>Set A</p> <p style="font-size: 2em;">$4 + 7$</p>	<p>Set B</p>	<p>Set C</p>	<p>Set D</p> <p style="font-size: 2em;">11</p>
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Set C $7 + 4$ is equal to $7 + 3$ and 1 more

Set B $4 + 7$ is equal to $7 + 4$

Set D $7 + 4 = 11$ and $4 + 7 = 11$



Add to 20: Match-Up #1

Group size – 2 students

- 1 Shuffle **Sets A, B and D**. (Keep in separate piles)
- 2 Place all **Set A** cards face down.
- 3 Place 6 **Set B** cards face up for each player.
- 4 Place all **Set D** cards in one pile for both players.

Set A

Set B Student 1

Set D

Set B Student 2

- 5 Student 1, choose a card from **Set A** and flip it face up.
 - If a card from your **Set B** matches, describe the match and place the **Set A** card on top of it. Then, find and place the matching card from **Set D** on the pair.
 - If a card from your **Set B** does not match, flip the card back over to be face down.
- 6 Student 2 takes a turn. Continue taking turns. The player to make 6 matches wins the game.



<p>Set A</p> <p style="font-size: 2em;">$4 + 7$</p>	<p>Set B</p>	<p>Set C</p>	<p>Set D</p> <p style="font-size: 2em;">11</p>
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Set D $7 + 4 = 11$ and $4 + 7 = 11$

Set C $7 + 4$ is equal to $7 + 3$ and 1 more

Set B $4 + 7$ is equal to $7 + 4$



Add to 20: Match-Up #2

Group size – 2 students

- 1 Shuffle **Sets A, C and D**. (Keep in separate piles)
- 2 Place all **Set A** cards face down.
- 3 Place 6 **Set C** cards face up for each player.
- 4 Place all **Set D** cards in one pile for both players.

- 5 Student 1, choose a card from **Set A** and flip it face up.
 - If a card from your **Set C** matches, describe the match and place the **Set A** card on top of it. Then, find and place the matching card from **Set D** on the pair.
 - If a card from your **Set C** does not match, flip the card back over to be face down.
- 6 Student 2 takes a turn. Continue taking turns. The player to make 6 matches wins the game.



<p>Set A</p> <p>$4 + 7$</p>	<p>Set B</p>	<p>Set C</p>	<p>Set D</p> <p>11</p>
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Set B $4 + 7$ is equal to $7 + 4$

Set C $7 + 4$ is equal to $7 + 3$ and 1 more

Set D $7 + 4 = 11$ and $4 + 7 = 11$

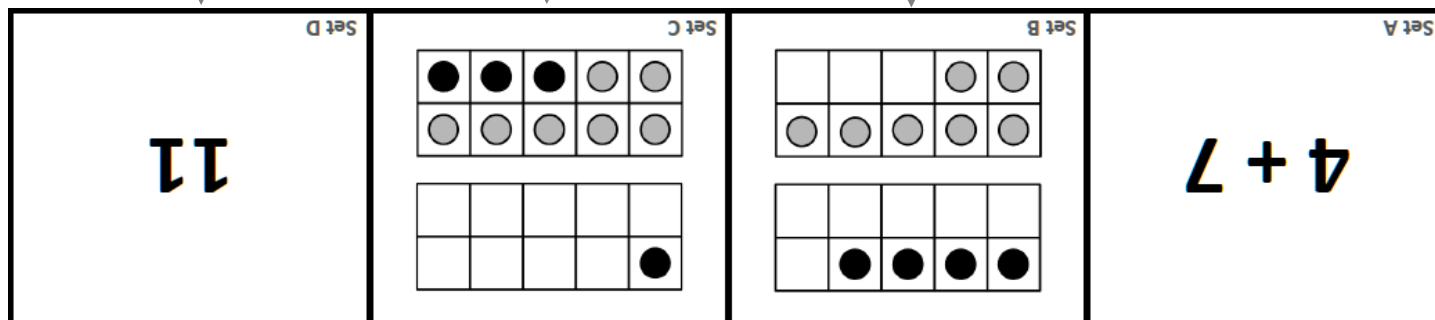


Add to 20: Match-Up #3

Group size – 2 students

- 1 Shuffle **Sets B, C and D**. (Keep in separate piles)
- 2 Place all **Set B** cards face down.
- 3 Place 6 **Set C** cards face up for each player.
- 4 Place all **Set D** cards in one pile for both players.

- 5 Student 1, choose a card from **Set B** and flip it face up.
 - If a card from your **Set C** matches, describe the match and place the **Set B** card on top of it. Then, find and place the matching card from **Set D** on the pair.
 - If a card from your **Set C** does not match, flip the card back over to be face down.
- 6 Student 2 takes a turn. Continue taking turns. The player to make 6 matches wins the game.



Set D $7 + 4 = 11$ and $4 + 7 = 11$

Set C $7 + 4$ is equal to $7 + 3$ and 1 more

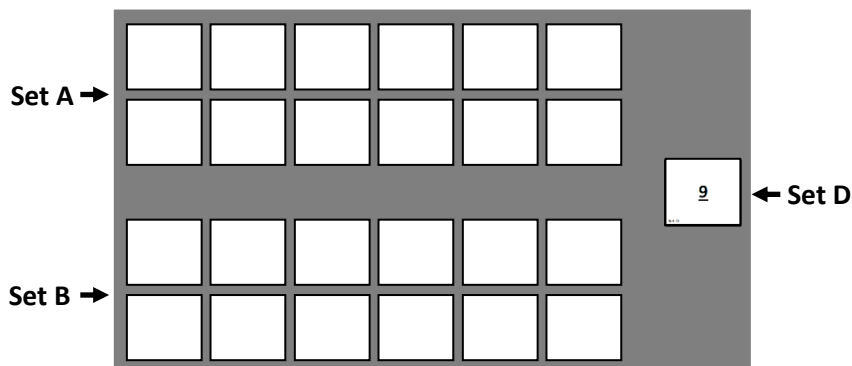
Set B $4 + 7$ is equal to $7 + 4$



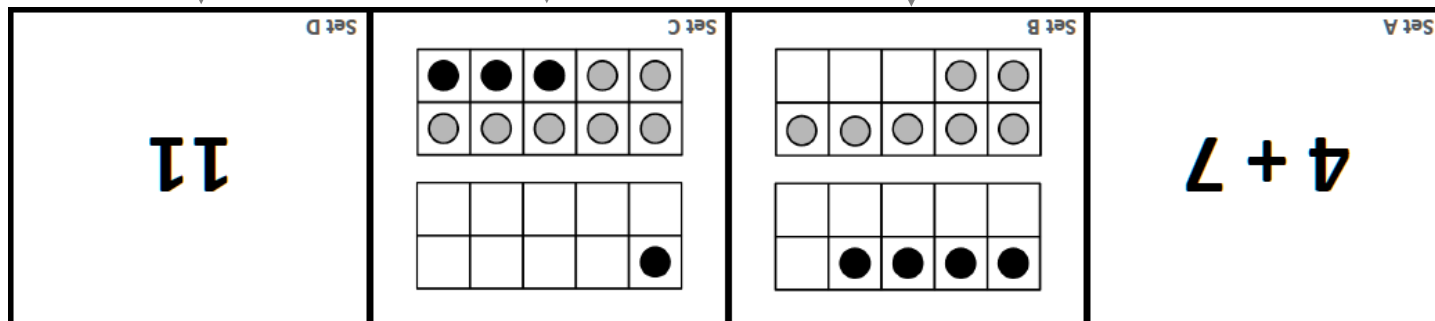
Add to 20: Concentration #1

Group Size – 2 or 3 Students

- 1 Shuffle **Sets A, B and D**. (Keep in separate piles)
- 2 Place all **Set A** cards and all **Set B** cards face down.
- 3 Place all **Set D** cards in one pile for both players.



- 4 Student 1, choose a card from **Set A** and flip it face up. Then, choose a card from **Set B** and flip it face up.
 - If the cards match, describe the match and keep both cards. Then, find the matching card from **Set D** and add it to the pair.
 - If the cards do not match, flip both cards back over.
- 5 Student 2 takes a turn. Continue taking turns. The player with the most matches wins the game.



Set D $7 + 4 = 11$ and $4 + 7 = 11$

Set C $7 + 4$ is equal to $7 + 3$ and 1 more

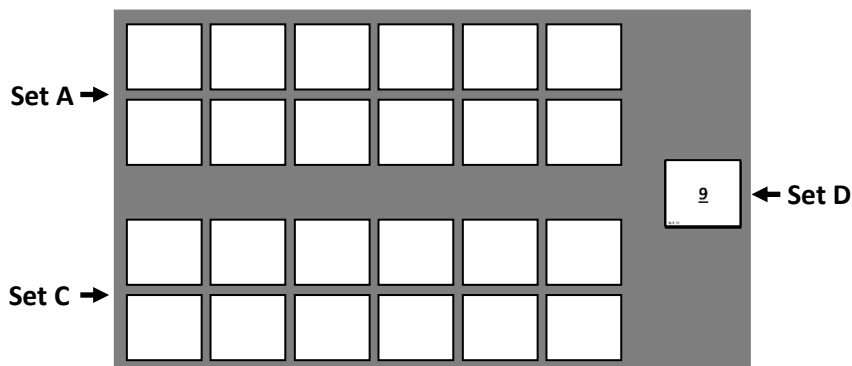
Set B $4 + 7$ is equal to $7 + 4$



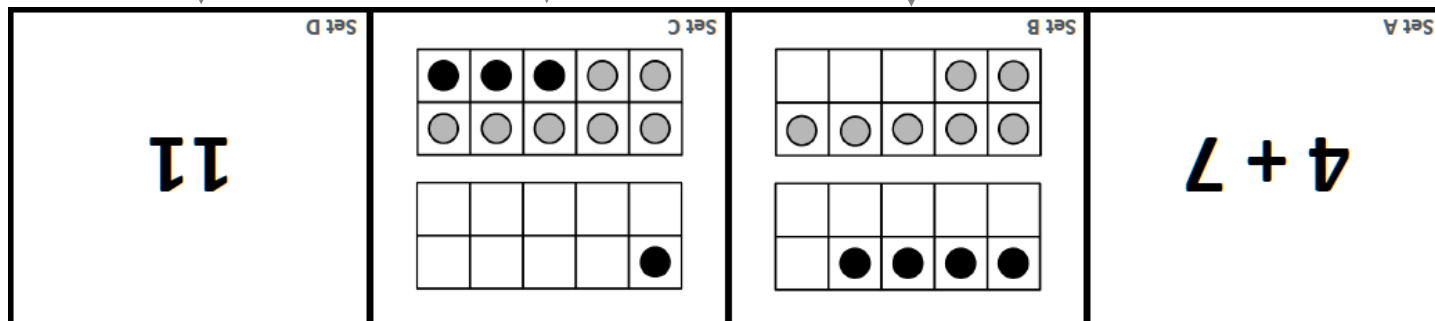
Add to 20: Concentration #2

Group Size – 2 or 3 Students

- 1 Shuffle **Sets A, C and D**. (Keep in separate piles)
- 2 Place all **Set A** cards and all **Set C** cards face down.
- 3 Place all **Set D** cards in one pile for both players.



- 4 Student 1, choose a card from **Set A** and flip it face up. Then, choose a card from **Set C** and flip it face up.
 - If the cards match, describe the match and keep both cards. Then, find the matching card from **Set D** and add it to the pair.
 - If the cards do not match, flip both cards back over.
- 5 Student 2 takes a turn. Continue taking turns. The player with the most matches wins the game.



Set D $7 + 4 = 11$ and $4 + 7 = 11$

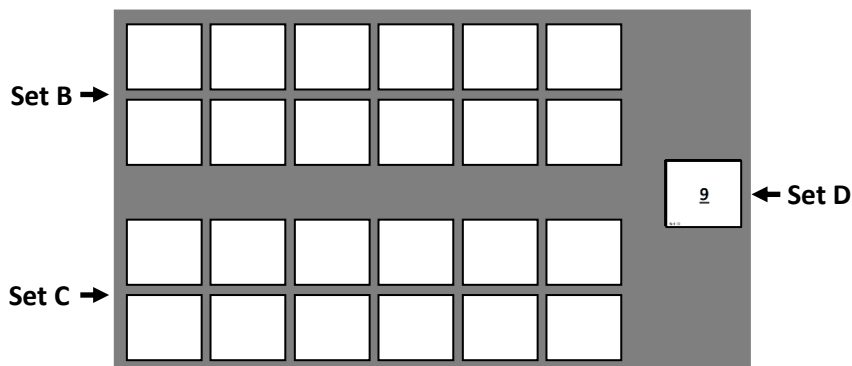
Set C $7 + 4$ is equal to $7 + 3$ and 1 more

Set B $4 + 7$ is equal to $7 + 4$

Add to 20: Concentration #3

Group Size – 2 or 3 Students

- 1 Shuffle **Sets B, C and D**. (Keep in separate piles)
- 2 Place all **Set B** cards and all **Set C** cards face down.
- 3 Place all **Set D** cards in one pile for both players.



- 4 Student 1, choose a card from **Set B** and flip it face up. Then, choose a card from **Set C** and flip it face up.
 - If the cards match, describe the match and keep both cards. Then, find the matching card from **Set D** and add it to the pair.
 - If the cards do not match, flip both cards back over.
- 5 Student 2 takes a turn. Continue taking turns. The player with the most matches wins the game.