Name Date

10.1



Puzzle Time

What Is Brown, Has A Hump, And Lives At The North Pole?

Circle the letter of each correct answer in the boxes below. The circled letters will spell out the answer to the riddle.

You randomly pick a card out of a deck of 52 cards. Find the number of ways the event can occur.

 1. Choosing a spade 2. Choosing an ace

 3. Choosing *not* a king 4. Choosing a red card

 5. Choosing a heart that is a face card 6. Choosing *not* a diamond

Your teacher randomly selects among the following names to be your partner in a project: Girls—Amanda, Meredith, Erin, Gail, and Mackenzie; Boys—Scott and Peter. Find the number of ways the event can occur.

 7. Choosing a girl 8. Choosing *not* a girl

 9. Choosing Meredith 10. Choosing *not* Peter

You randomly choose one month to celebrate a family reunion. Find the number of ways the event can occur.

 11. Choosing a month after March 12. Choosing a month before September

 13. Choosing *not* December 14. Choosing *not* June or July

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| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| T | B | A | R | C | H | V | I | E | M | L | R | S | Y | D | F | O |
| 7 | 32 | 4 | 41 | 16 | 36 | 10 | 22 | 13 | 21 | 42 | 2 | 17 | 8 | 15 | 33 | 12 |
| G | L | Y | O | J | S | T | W | A | C | D | A | R | M | E | S | L |
| 20 | 9 | 14 | 3 | 44 | 5 | 48 | 19 | 35 | 11 | 24 | 39 | 40 | 1 | 26 | 18 | 6 |