

ODDS. The following items are problems involving odds. Express the odds as a fraction or by using the word “to” (example: 5 to 1).

A teacher chooses a student at random from a class made up of 10 boys and 15 girls. Find the odds in favor of each event.

15. Choosing a girl.

16. Choosing a boy

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You have a set of 36 flash cards numbered from 1 to 30. You choose a card at random. Find the odds in favor of each event.

17. Even number

18. Greater than 20

19. Multiple of 3

20. Greater than 5 but less than 10

21. Divisible by 10

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For the spinner shown at the right, find the probability of each event and the odds in favor of the event. Express the probability as a fraction OR as a percent.

Answers

15. _____

16. _____

17. _____

18. _____

19. _____

20. _____

21. _____

22. _____

23. _____

24. _____

25. _____

Odds and Probability - Open Ended

26. Give an example of an event where the probability equals 1. Explain and justify your answer.

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27. Your friend is tossing a coin. He says that heads and tails are equally likely outcomes, so the probability is 50/50. Explain your friend's error.

28. Explain how you can use odds to find probability. Give an example.