

Example 3

You are going to spin a spinner at a car dealership to win a prize. There are 25 sections on the spinner, all of equal size. On each piece of the spinner are the following:

Getting a prize

- 1 section says "\$5000 gift certificate" } PRIZE
- 4 sections say "Free oil change" }
- 20 sections say "Better luck next time" - NO PRIZE

State the odds of:

- spinning the spinner and getting a prize.
- spinning the spinner and NOT winning the \$5000 prize.

a)
$$\text{PRIZE} : \text{NOT Getting a Prize}$$
$$1 + 4 : 20$$

b) there are 5 sections on the spinner, therefore you have one chance of winning for each spin, and 24 chances of not winning:

$$\text{NOT winning } \$5000 : \text{winning } \$5000$$
$$\underline{\underline{24 : 1}}$$

Example 4

There are 45 applicants for a job at a local home improvement store. 5 → hired of those people will be hired.

- State the odds in favour of one of the applicants getting a job.
- State the odds against one of the applicants getting the job.

a)
$$\# \text{ of people who will be hired} : \text{NOT hired}$$
$$5 : 40$$

b)
$$\text{NOT hired} : \text{hired}$$
$$40 : 5$$