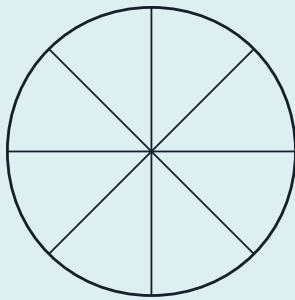


SCHOOL-FAIR PRIZE WHEEL

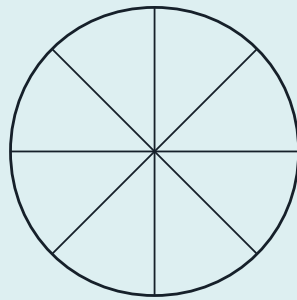
- 1 The wheel has 8 equal segments and 3 win a prize, so favourable is **3** and total is **8**.
- 2 Write the probability as the fraction **$\frac{3}{8}$** .
- 3 Divide to get the decimal: $3 \div 8 = \mathbf{0.375}$.
- 4 Multiply by 100 for the percentage: $0.375 \times 100 = \mathbf{37.5\%}$.

 WARM-UP

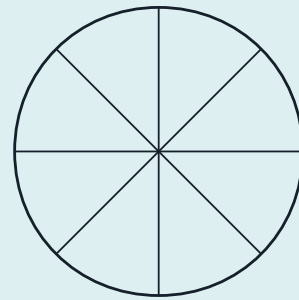
Slice and shade each circle to match the given probability.



Spinner A — WIN



Spinner B — JACKPOT



Spinner C — NOT win

1. Shade 3 of the 8 sectors on the first circle to show $\frac{3}{8}$
2. Shade 1 of the 8 sectors on the second circle to show $\frac{1}{8}$
3. Shade 5 of the 8 sectors on the third circle to show $\frac{5}{8}$

 PRACTICE

- 1 In a board game the spinner has 4 equal segments and one is a bonus move. The chance is $\frac{1}{4}$. Write $\frac{1}{4}$ as a decimal and as a percentage.
- 2 A fair coin is tossed in a playground game. The chance of heads is $\frac{1}{2}$. Write this probability as a decimal and a percentage.
- 3 On the same 8-segment prize wheel, 3 segments win a small toy. The chance is $\frac{3}{8}$. Write $\frac{3}{8}$ as a decimal and as a percentage.

ALWAYS, SOMETIMES, NEVER

Always, sometimes or never true? Write A, S or N.

- a. $1/10$ equals 0.1 and also equals 10%
- b. $3/8$ equals 0.375 and also equals 37.5%
- c. A probability fraction written as a percentage is a whole number.
- d. The percentage form is the quickest way to compare two probabilities