

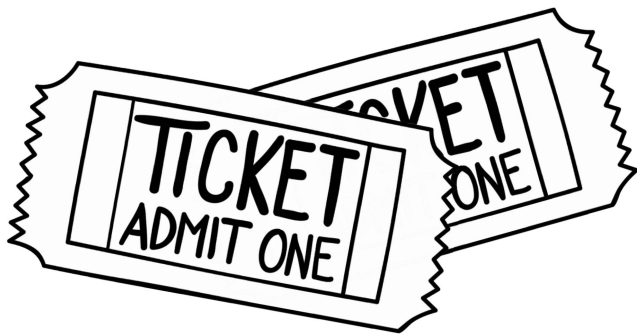
# PERCENT APPLICATION

Each of the 10 cards will have statements from two students. Read carefully and choose the name of the student who made the correct statement. Then, justify your answer in the space provided.

1 _____ is correct because...	2 _____ is correct because...
3 _____ is correct because...	4 _____ is correct because...
5 _____ is correct because...	6 _____ is correct because...
7 _____ is correct because...	8 _____ is correct because...
9 _____ is correct because...	10 _____ is correct because...

## CARD 1:

A carnival sold 450 tickets on Saturday. The ticket sales showed that 126 of the ticket sales were adult tickets. What percent of the tickets sold on Saturday were adult tickets?

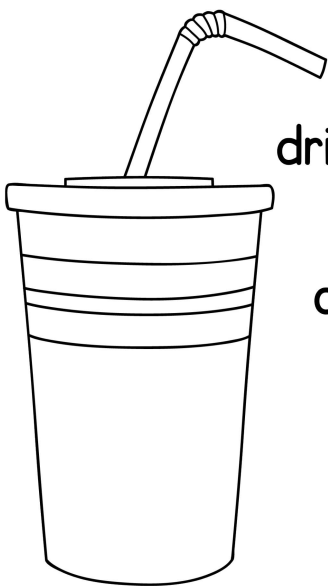


Albert says that 28% of the tickets were adult tickets.

Abby says that 33% of the tickets were adult tickets.

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## CARD 2:



Thirty percent of all the drinks sold at the concession stand were soda. If 600 drinks were sold, then how many drinks of soda were sold?

Brad says that he will use the proportion

$$\frac{30}{100} = \frac{x}{600}$$

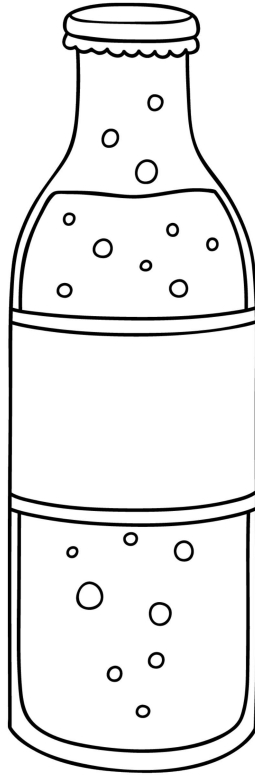
Beth says that she will use the proportion

$$\frac{100}{600} = \frac{x}{30}$$

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## CARD 3:

When playing the bottle toss game, players have a 12% chance of winning. Manuel plays 25 times. About how many times will Manuel win the bottle toss game?



Chun says that Manuel will win the game 3 times.

Claire says that Manuel will win the game 5 times.

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## CARD 4:

At the "Guess Your Age" station, the carnival worker guessed 16 out of 20 ages correctly. What percent of people did he guess correctly?

Dean says that he will use the proportion

$$\frac{16}{20} = \frac{100}{x}$$

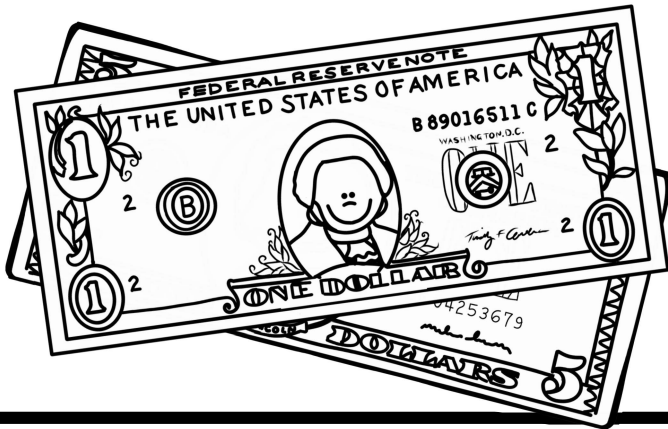
Dorthea says that she will use the proportion

$$\frac{x}{16} = \frac{100}{20}$$

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## CARD 5:

Nathan had \$25 to spend at the carnival. He spent 60% of the money on food and drinks. How much money does Nathan have left to spend on games?



Evan says that he has \$15 left to spend on games.

Esther says that he has \$10 left to spend on games.

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## CARD 6:

Jerome and his brother stayed at the carnival from 4 PM to 8 PM. They spent 90 minutes watching the magic show.

What percent of the evening did they spend at the magic show?



Finn says that they spent 37.5% of their time watching the show.

Flora says that they spent  $33.\bar{3}$  % of their time watching the show.

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## CARD 7:

The Ferris wheel is the most popular ride. Between the hours of 8 PM and 9 PM, the Ferris wheel had 240 riders. If that was 60% of the total number of riders, then how many riders did the Ferris wheel have?

Gustavo says that he will use the proportion

$$\frac{240}{x} = \frac{100}{60}$$

Gayle says that she will use the proportion

$$\frac{x}{240} = \frac{100}{60}$$

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## CARD 8:

Of the 88 carnival workers, 34% work in the games and arcade section. About how many carnival workers work in the games and arcade section?

**WINNER**

Haddon says that he will use the proportion

$$\frac{34}{88} = \frac{x}{100}$$

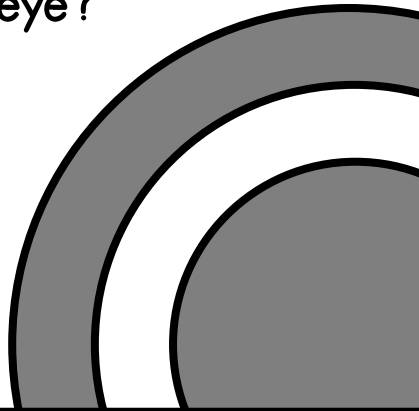
Hattie says that she will use the proportion

$$\frac{34}{100} = \frac{x}{88}$$

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## CARD 9:

A total of 50 people play darts. Each player is given 3 darts to try and hit the bullseye. If 21 of the darts hit the bullseye, then what percent of the darts hit the bullseye?



Ian says that 14% of the darts hit the bullseye.

Ivy says that 42% of the darts hit the bullseye.

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## CARD 10:

On Saturday the carnival brought in \$5,400 in ticket sales. This represented 75% of the total revenue. How much money did the carnival bring in on Saturday?

Jose says that the carnival brought in \$4,050.

Jan says that the carnival brought in \$7,200.

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