CHANCE RACEWAY

Materials
For each group of four students:
  Chance Raceway game board
  Chance Raceway cards
  Chance Raceway spinner
 4 game tokens (different colors)

Number of Players
4

Directions
1. Divide the students into groups of four.
2. Each player places his or her game token on start.
3. For 4th grade, add in the set of 4th grade *Chance Raceway* cards.
4. The cards should be shuffled and placed problem side up (answer side down) between the students.
5. Each student spins the spinner. The student who lands on the highest number will begin first. Players continue playing in a clockwise manner.
6. For the first move, Player 1 draws a *Chance Raceway* card from the pile and solves the problem. If his or her answer matches the correct answer on the other side of the card, Player 1 may spin the spinner and move that number of spaces on the game board. If an incorrect answer is given then Player 1's turn is over.
7. Play continues in this manner until a player reaches or goes past the finish line.
8. The first player to reach or pass the finish line wins.
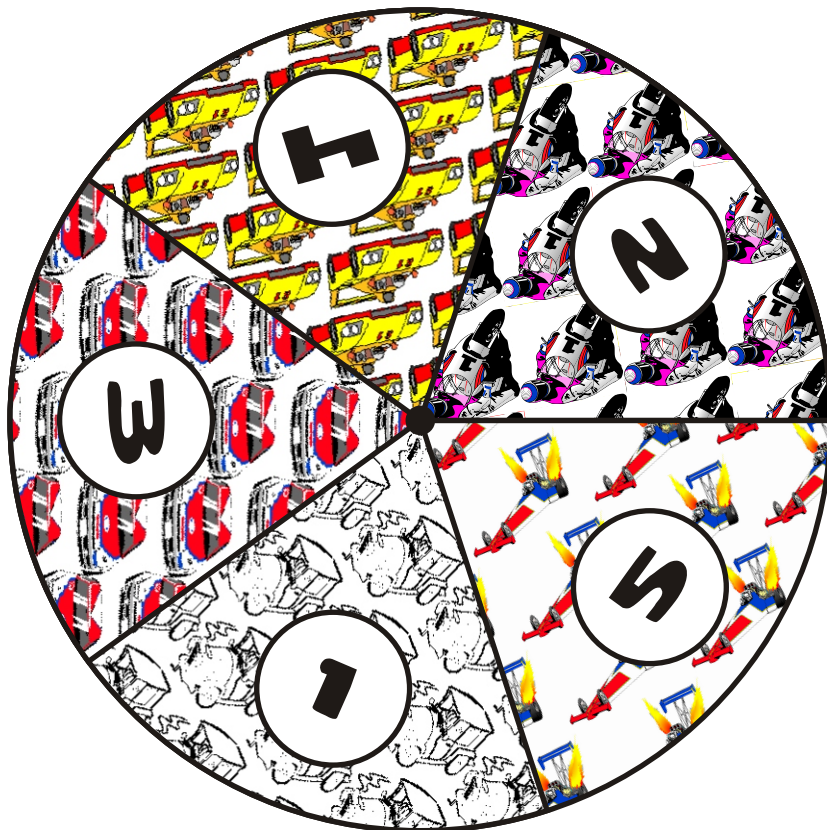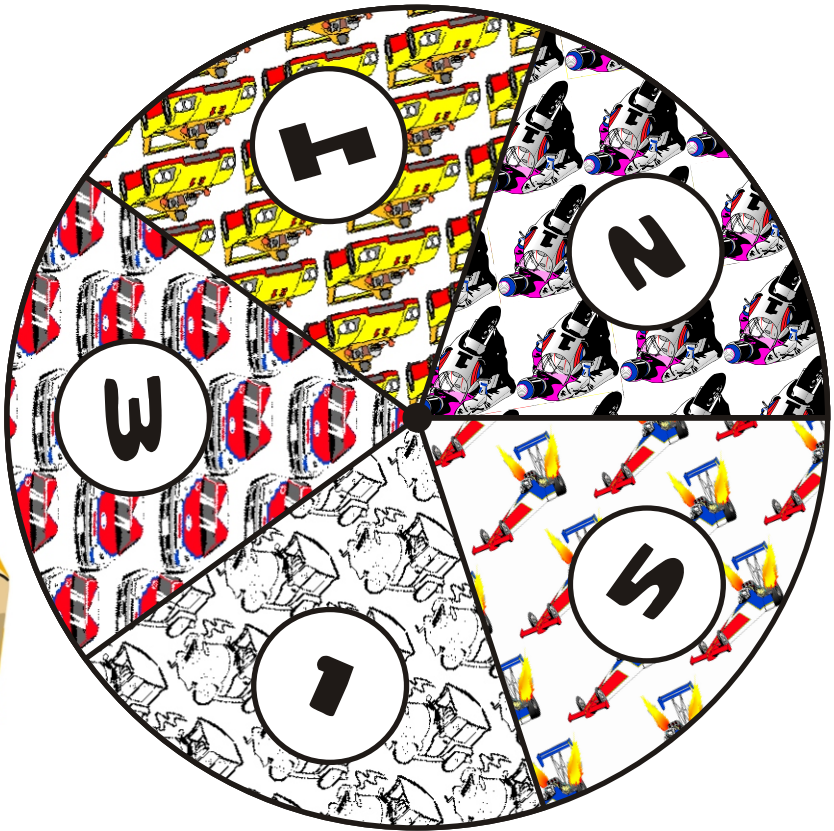
Chance Raceway Spinner

CAL HAS A BAG CONTAINING 10 COINS. THERE ARE 5 QUARTERS, 3 DIMES, AND THE REST ARE NICKELS. IF HE REACHES IN THE BAG WITHOUT LOOKING, WHAT TYPE OF COIN WILL HE LEAST LIKELY GET?

- QUARTER
- DIME
- NICKEL

MARK HAS 11 COINS IN HIS POCKET. 5 OF THEM ARE NICKELS AND THE REST ARE PENNIES. IF HE TAKES A COIN OUT OF HIS POCKET WITHOUT LOOKING, WHAT ARE THE CHANCES IT WILL BE A NICKEL?

- MOST LIKELY
- LEAST LIKELY
- EQUALLY LIKELY

IF TOMAS FLIPS A COIN ONE TIME, WHAT ARE THE CHANCES IT WILL LAND ON HEADS?

- MOST LIKELY
- LEAST LIKELY
- EQUALLY LIKELY

DUSTIN HAS A JAR OF MARBLES THAT CONTAINS 7 RED MARBLES, 4 BLACK MARBLES, AND 5 GREEN MARBLES. IF HE PICKS A MARBLE WITHOUT LOOKING, WHAT COLOR IS HE MOST LIKELY TO GET?

- RED
- BLACK
- GREEN

LEE HAS A SPINNER WITH THE FOLLOWING NUMBERS ON IT: 3, 5, 12, 15, AND 18. WHEN HE SPINS THE SPINNER, ON WHICH TYPE OF NUMBER WILL IT MOST LIKELY LAND?

- AN EVEN NUMBER
- AN ODD NUMBER
- A NUMBER GREATER THAN 12

ROB'S MOM HAD 13 POPSICLES IN THE FREEZER: 4 GREEN, 5 RED, AND 4 PURPLE. WHICH TWO COLORS WOULD ROB HAVE AN EQUALLY LIKELY CHANCE OF GETTING IF HE REACHED INTO THE FREEZER WITHOUT LOOKING?

- GREEN AND RED
- GREEN AND PURPLE
- RED AND PURPLE

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LEAST LIKELY

NICKEL

RED

EQUALLY LIKELY

GREEN AND PURPLE

ODD NUMBER
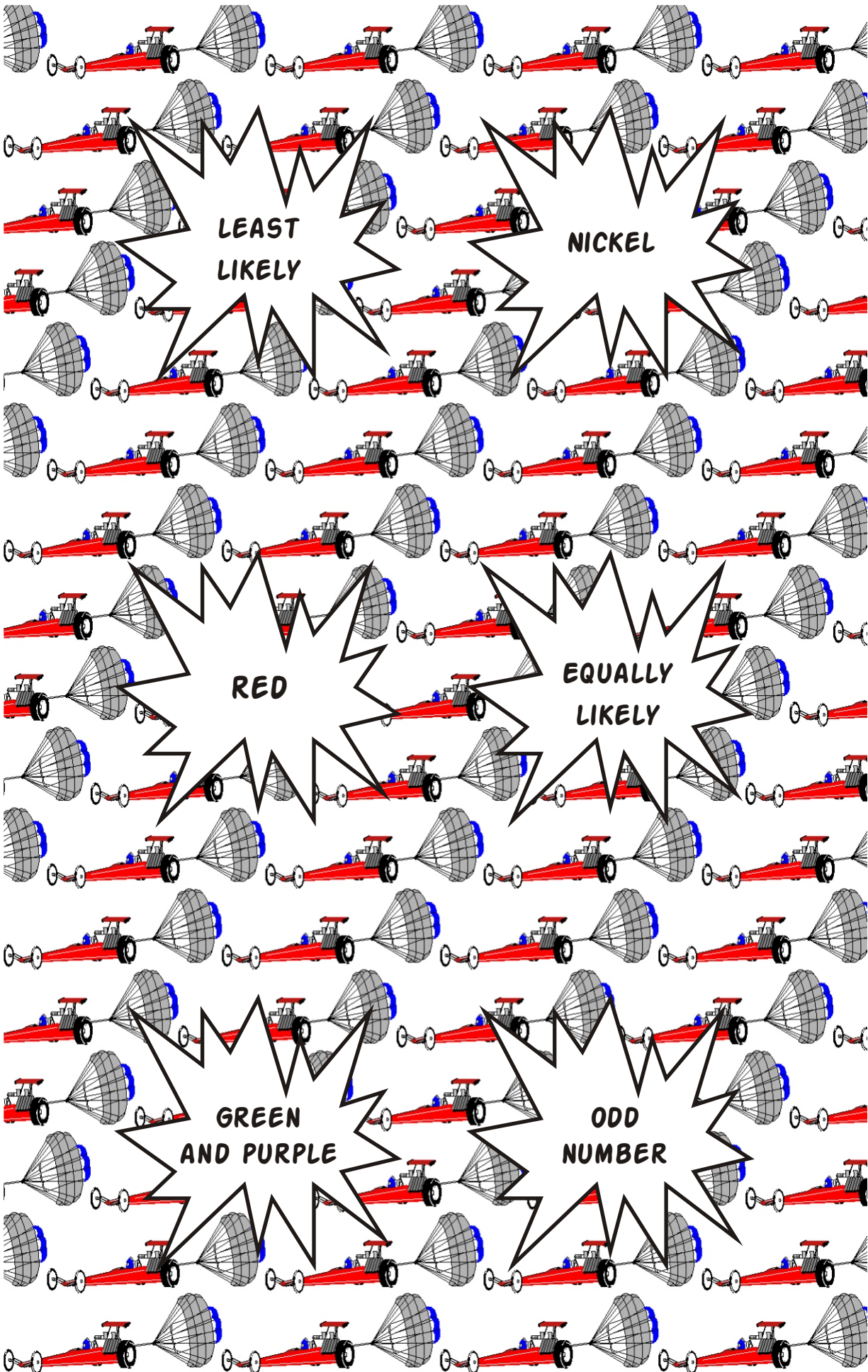
ANN HAS A BAG OF 4 YELLOW CRAYONS, 2 BROWN CRAYONS, 2 BLACK CRAYONS, AND 3 RED CRAYONS. WHICH CRAYON DOES SHE HAVE THE GREATEST CHANCE OF CHOOSING IF SHE REACHES INTO THE BAG WITHOUT LOOKING?

- YELLOW
- RED
- BROWN

LOOK AT THE SPINNER BELOW. ON WHICH COIN DO YOU HAVE THE GREATEST CHANCE OF LANDING?
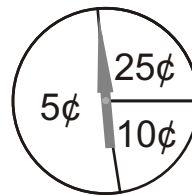
- QUARTER
- DIME
- NICKEL

JOE HAS A BOX CONTAINING SEVERAL TOKENS: 7 WHITE, 9 BLUE, AND 15 RED. HE REACHED IN AND PULLED OUT A RED TOKEN. WHY DID HE PULL OUT A RED TOKEN?

- RED IS MOST LIKELY TO BE CHOSEN.
- RED IS LEAST LIKELY TO BE CHOSEN.
- RED IS EQUALLY LIKELY TO BE CHOSEN.

PAT BROUGHT TO SCHOOL A BOX FILLED WITH COOKIES. THERE WERE 1 DOZEN LEMON, 8 OATMEAL, AND 12 SUGAR COOKIES. WHICH COOKIES DO THE STUDENTS HAVE AN EQUALLY LIKELY CHANCE OF CHOOSING IF THEY GET ONE OUT OF THE BOX WITHOUT LOOKING?

- OATMEAL AND SUGAR
- LEMON AND SUGAR
- LEMON AND OATMEAL

JOAQUIN HAS A BOX OF COLORED PENCILS: 10 YELLOW, 7 BLUE, AND 12 RED. IF HE REACHES IN THE BOX WITHOUT LOOKING, WHICH PENCIL WILL HE LEAST LIKELY GET?

- YELLOW
- BLUE
- RED

BEN BOUGHT HIS TEAMMATES ICE CREAM AFTER THE BASEBALL GAME. 4 BOYS GOT CHOCOLATE, 6 GOT VANILLA, AND 4 GOT MINT. WHICH STATEMENT IS TRUE?

- CHOCOLATE WAS CHOSEN LEAST OFTEN.
- CHOCOLATE AND VANILLA WERE CHOSEN AN EQUAL AMOUNT OF TIMES.
- VANILLA WAS CHOSEN MOST OFTEN.

NICKEL

YELLOW

LEMON
AND
SUGAR

RED IS
MOST LIKELY TO
BE CHOSEN

VANILLA
WAS CHOSEN
MOST OFTEN

BLUE
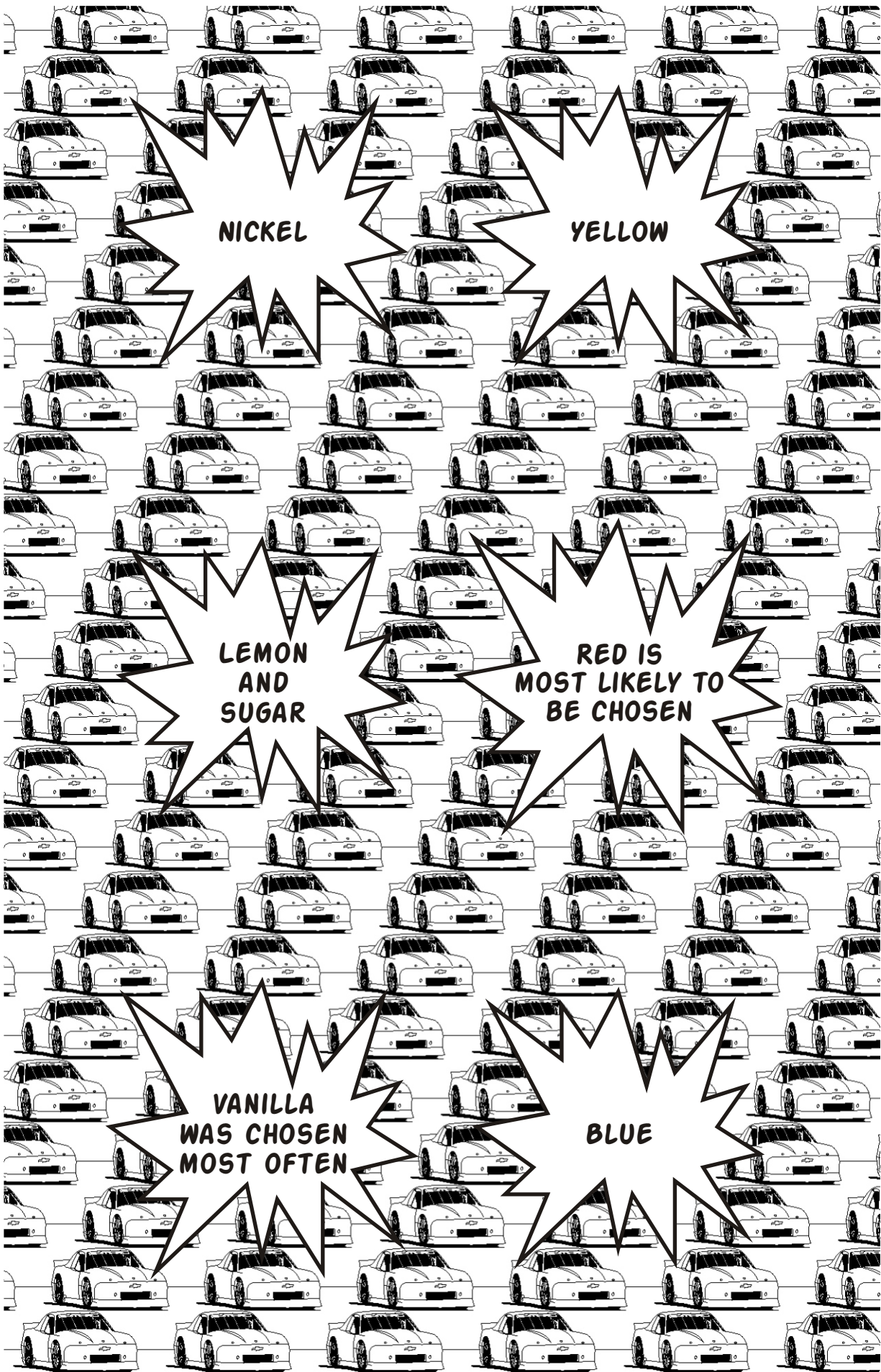
THE STUDENTS IN MRS. GUERRA'S CLASS WERE GIVEN A CHOICE OF GAMES TO PLAY. 8 STUDENTS CHOSE BOARD GAMES, 6 STUDENTS CHOSE DICE GAMES, AND 4 STUDENTS CHOSE CARD GAMES. WHICH TYPE OF GAME WAS CHOSEN MOST OFTEN?

- BOARD GAMES
- DICE GAMES
- CARD GAMES

MR. CHUNG HAS 18 STUDENTS IN HIS CLASS. 6 STUDENTS RIDE THE BUS TO SCHOOL, 7 STUDENTS WALK, AND 5 STUDENTS ARE CAR RIDERS. HOW DO THE STUDENTS IN MR CHUNG'S CLASS MOST OFTEN GET TO SCHOOL?

- RIDE IN A CAR
- WALK
- RIDE THE BUS
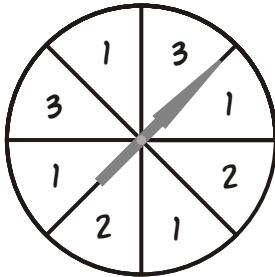
IN THE SPINNER ABOVE, ON WHAT NUMBER IS THE ARROW MOST LIKELY TO LAND?

- 1
- 2
- 3

JULIE HAS A BAG OF CANDY. 3 PIECES OF CANDY ARE RED, 7 ARE GREEN, 5 ARE YELLOW, AND 5 ARE WHITE. IF JULIE REACHES IN THE BAG WITHOUT LOOKING, WHICH COLOR IS SHE MOST LIKELY TO GET?

- RED
- GREEN
- YELLOW
- WHITE

SHEP'S MOTHER BOUGHT SEVERAL CANS OF SOUP AT THE STORE. SHE BOUGHT 4 CANS OF CHICKEN NOODLE SOUP, 5 TOMATO, AND 2 BEEF. IF SHEP GRABBED ONE WITHOUT LOOKING, WHAT KIND OF SOUP WOULD HE MOST LIKELY GET?

- CHICKEN NOODLE
- TOMATO
- BEEF

JUAN HAS A BAG OF COLORED CHIPS: 7 GREEN, 5 BLUE, 4 RED, AND 2 ORANGE. JUAN WANTS AN EQUAL CHANCE OF CHOOSING A BLUE OR ORANGE CHIP. HOW MANY MORE ORANGE CHIPS WILL HE HAVE TO ADD TO THE BAG?

- 1
- 2
- 3

WALK

BOARD GAMES

GREEN

1

3

TOMATO
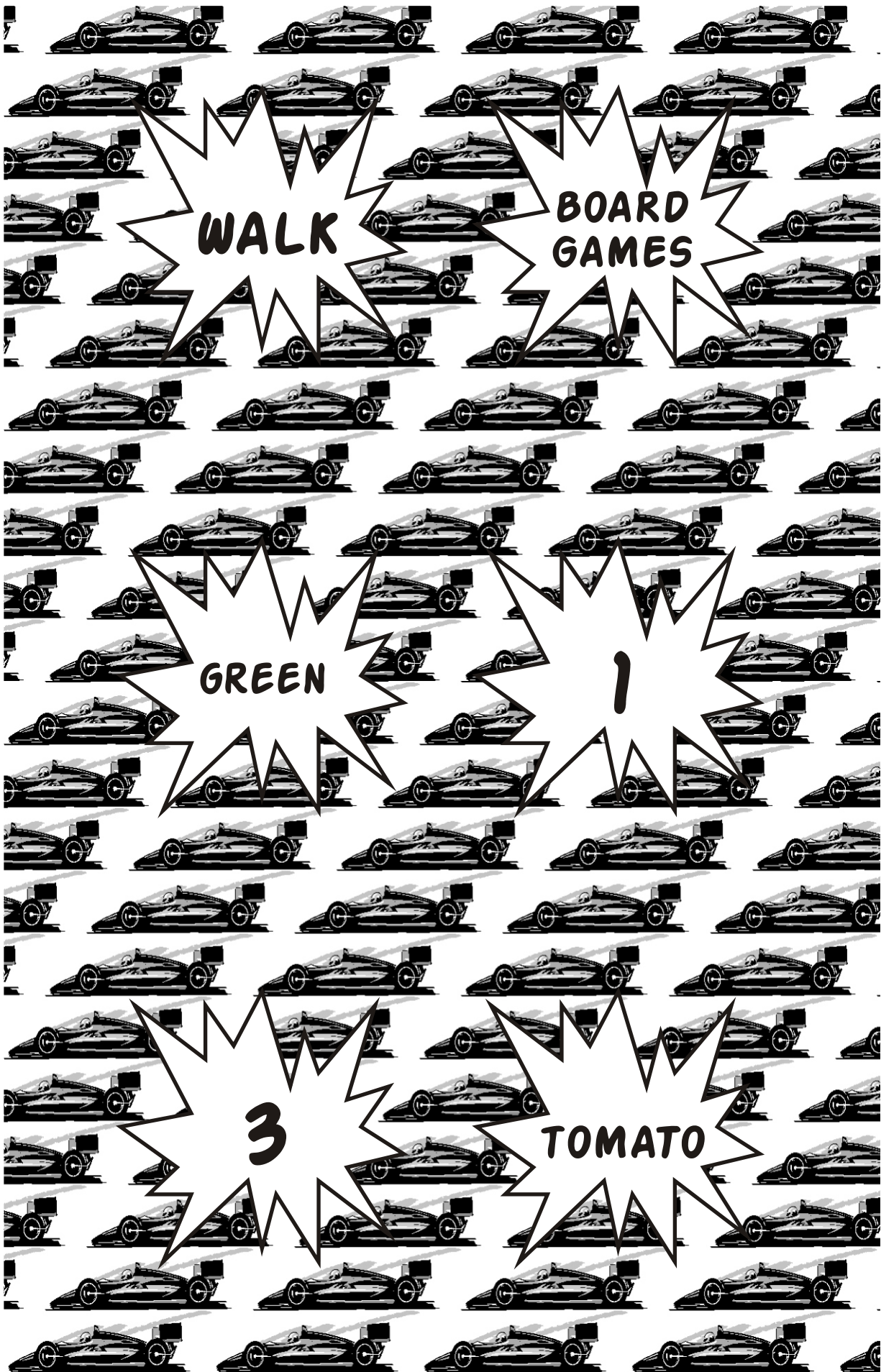
DALE HAS A BOX OF COLORED PAPER CLIPS. 2 PAPER CLIPS ARE YELLOW, 5 ARE GREEN, 6 ARE RED, AND 2 ARE BLUE. WHICH 2 COLORED PAPER CLIPS DOES DALE HAVE AN EQUALLY LIKELY CHANCE OF CHOOSING RANDOMLY FROM THE BOX?

- YELLOW AND GREEN
- YELLOW AND BLUE
- RED AND BLUE

DAN HAS A BOX OF COLORED PENS. HE HAS 7 GREEN PENS, 4 BROWN PENS, 3 BLACK PENS, 3 RED PENS, AND SOME BLUE PENS. DAN WANTS THE BLUE PENS TO BE THE MOST LIKELY TYPE OF PEN CHOSEN FROM HIS BOX. WHICH NUMBER OF BLUE PENS WOULD HE NEED TO HAVE?

- 6
- 7
- 8

GARY HAS 9 DECKS OF CARDS ON HIS SHELF. 4 OF THEM ARE RED, 2 ARE BLUE AND THE REST ARE GREEN. IF HE TAKES ONE OFF THE SHELF WITHOUT LOOKING, WHICH COLOR IS HE LEAST LIKELY TO PICK?

- RED
- BLUE
- GREEN

ASHLEY HAS A BOX OF PLASTIC RULERS: 9 PURPLE, 4 ORANGE, 2 GREEN, AND 1 CLEAR. ASHLEY WANTS AN EQUAL CHANCE OF CHOOSING A PURPLE OR ORANGE RULER. HOW MANY ORANGE RULERS WILL SHE HAVE TO ADD TO THE BOX?

- 4
- 5
- 6

MR. TRAN HAS A BOX FULL OF ITEMS FROM HIS HOUSE. THE BOX CONTAINS 2 COKE CANS, 3 DICE, 2 TENNIS BALLS, AND 2 CANS OF SOUP. IF MR. TRAN RANDOMLY CHOOSES AN ITEM FROM THE BOX, WHICH TYPE OF OBJECT IS HE MOST LIKELY TO CHOOSE?
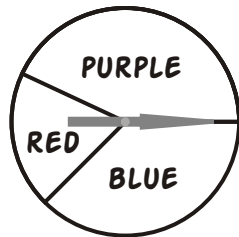
- A CUBE
- A SPHERE
- A CYLINDER

MRS. KAY WROTE THE FOLLOWING FRACTIONS ON CARDS AND PLACED THEM IN A BAG: 1/4, 2/4, 1/5, 3/5, 4/5, 1/6, 2/6, 4/6, 5/6. IF MRS. KAY CHOOSES 1 CARD FROM THE BAG WITHOUT LOOKING, WHICH TYPE OF CARD WILL LEAST LIKELY BE CHOSEN?

- FOURTHS
- FIFTHS
- SIXTHS

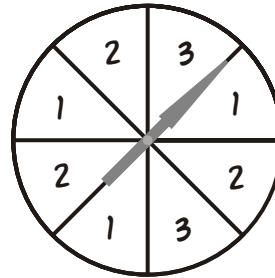**8**

YELLOW AND BLUE

5

BLUE

FOURTHS

A CYLINDER
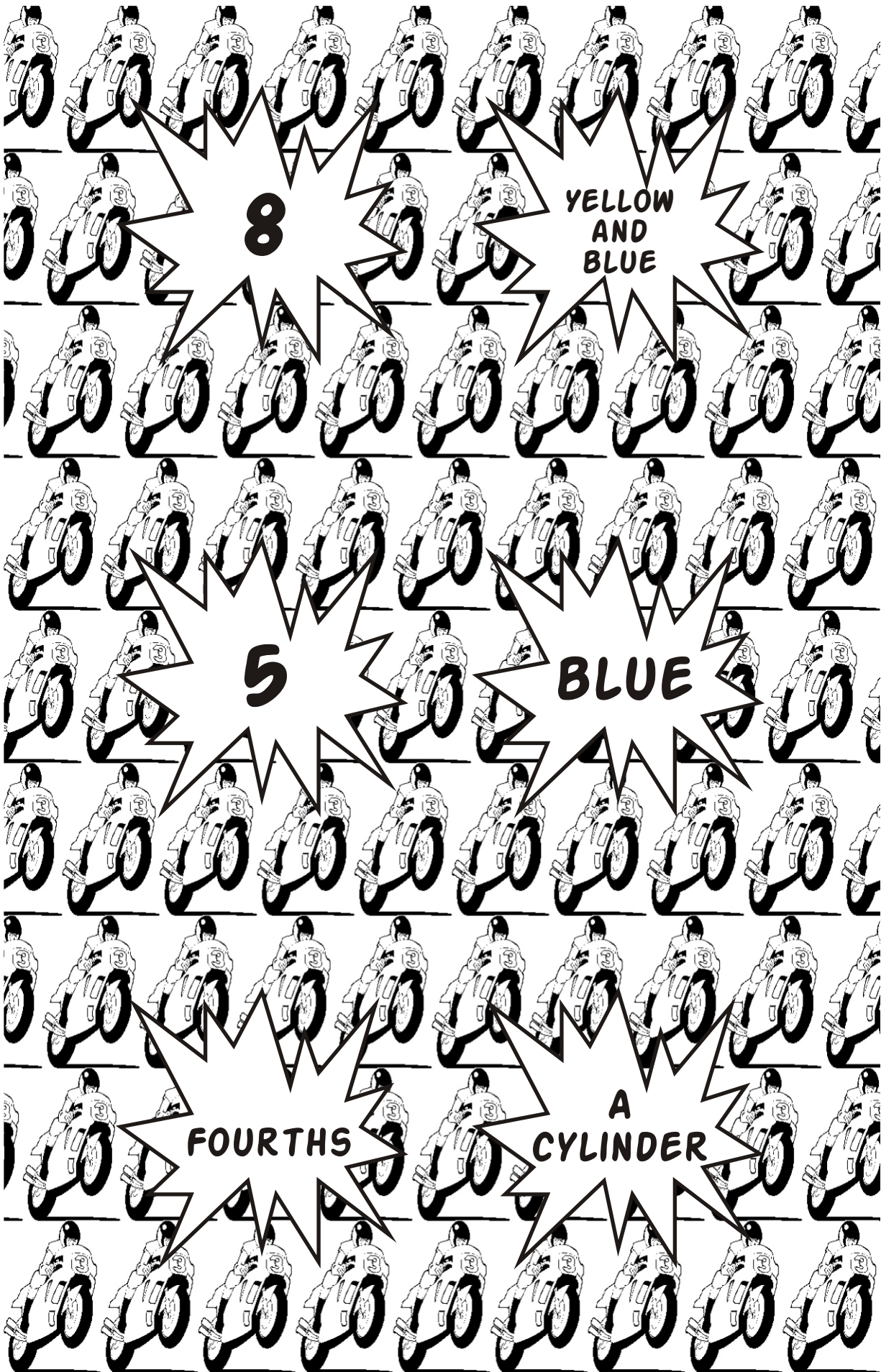
LOOK AT THE SPINNER BELOW. ON WHICH COLOR DO YOU HAVE THE LEAST CHANCE OF LANDING?

PURPLE
RED
BLUE

- PURPLE
- RED
- BLUE

IN THE SPINNER ABOVE, ON WHAT TYPE OF NUMBER IS THE ARROW MOST LIKELY TO LAND?

- ODD NUMBER
- EVEN NUMBER
- MULTIPLE OF 2

ANNA HAS A BOX WITH 15 PENS IN IT. 4 OF THEM ARE BLUE, 5 ARE RED, AND THE REST ARE GREEN. IF SHE TAKES ONE OUT OF THE BOX WITHOUT LOOKING, WHAT IS THE MOST LIKELY COLOR SHE WILL PICK?

- RED
- BLUE
- GREEN

CARLOS BROUGHT A BAG OF FRUIT TO SCHOOL. HIS BAG CONTAINED 5 APPLES, 3 ORANGES, AND 2 PEARS. IF CARLOS SELECTS A PIECE OF FRUIT WITHOUT LOOKING, WHAT TYPE OF FRUIT IS HE MOST LIKELY TO PICK?
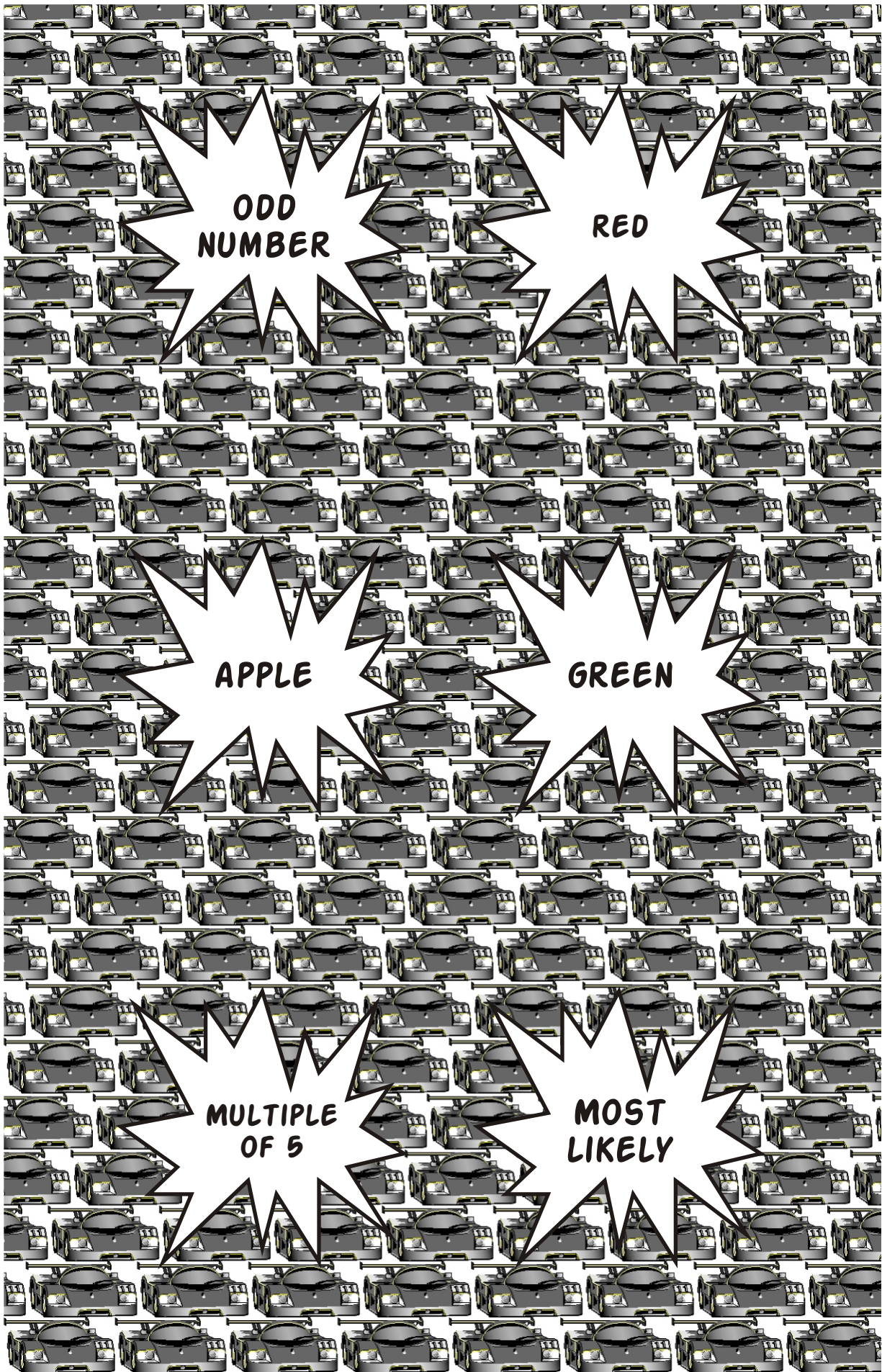
- APPLE
- ORANGE
- PEAR

IN MIGUEL'S DRAWER, HE HAS 3 PAIR OF BLACK SOCKS, 2 PAIR OF BLUE SOCKS, AND 7 PAIR OF WHITE SOCKS. IF HE REACHES INTO THE DRAWER WITHOUT LOOKING, WHAT ARE THE CHANCES HE WILL CHOOSE A WHITE PAIR OF SOCKS?

- LEAST LIKELY
- EQUALLY LIKELY
- MOST LIKELY
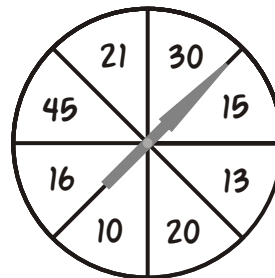
IN THE SPINNER ABOVE, ON WHAT TYPE OF NUMBER IS THE ARROW MOST LIKELY TO LAND?

- ODD NUMBER
- EVEN NUMBER
- MULTIPLE OF 5

ODD
NUMBER

RED

APPLE

GREEN

MULTIPLE
OF 5

MOST
LIKELY

ARTURO HAS A BAG OF STICKERS. 5 STICKERS ARE STRIPED, 9 ARE BLUE, AND 3 ARE PURPLE. WHAT ARE THE CHANCES THAT ARTURO WOULD PICK A STRIPED STICKER IF HE GOT ONE FROM THE BAG WITHOUT LOOKING?

- 5 OUT OF 9
- 9 OUT OF 17
- 5 OUT OF 17

JAN CUT OUT EACH LETTER FROM THE WORD MISSISSIPPI AND PUT THEM IN A BOWL. WHAT ARE THE CHANCES THAT THE LETTER "S" WOULD BE RANDOMLY DRAWN FROM THE BOWL?

- 5 OUT OF 11
- 4 OUT OF 11
- 3 OUT OF 11
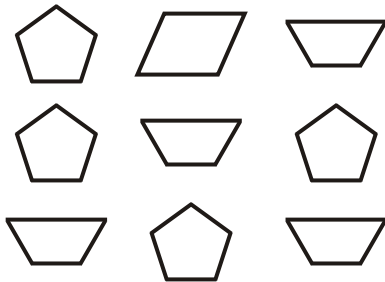
FROM THE SHAPES ABOVE, WHAT IS THE PROBABILITY OF RANDOMLY CHOOSING A PENTAGON?
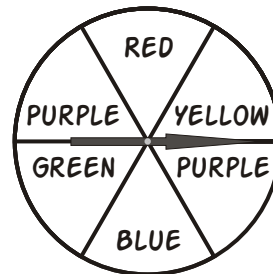
- 2 OUT OF 9
- 3 OUT OF 9
- 4 OUT OF 9

GREG'S TEACHER HAD A BAG FULL OF ERASERS. 12 OF THE ERASERS WERE RED, 7 WERE BLUE, AND 9 WERE YELLOW. WHAT IS THE PROBABILITY OF GREG CHOOSING A BLUE ERASER FROM THE BAG WITHOUT LOOKING?

- SEVEN OUT OF TWENTY-EIGHT
- NINE OUT OF TWENTY-EIGHT
- SEVEN OUT OF TWELVE

TOMMY'S MOTHER MADE SANDWICHES FOR THE PICNIC: 3 TURKEY, 4 HAM, 5 TUNA, AND 4 CHEESE. IF TOMMY GETS A SANDWICH WITHOUT LOOKING, WHAT ARE THE CHANCES HE WILL CHOOSE A TURKEY SANDWICH?

- THREE OUT OF FOUR
- THREE OUT OF SIXTEEN
- FOUR OUT OF SIXTEEN
- FIVE OUT OF SIXTEEN

RED
PURPLE   YELLOW
GREEN   PURPLE
BLUE

IF THE SPINNER IS SPUN ONE TIME, WHAT IS THE PROBABILITY THAT THE ARROW WILL LAND ON PURPLE?

- 3 OUT OF 6
- 1 OUT OF 5
- 2 OUT OF 6

4 OUT OF 11

5 OUT OF 17

SEVEN OUT OF TWENTY-EIGHT

4 OUT OF 9

2 OUT OF 6

THREE OUT OF SIXTEEN
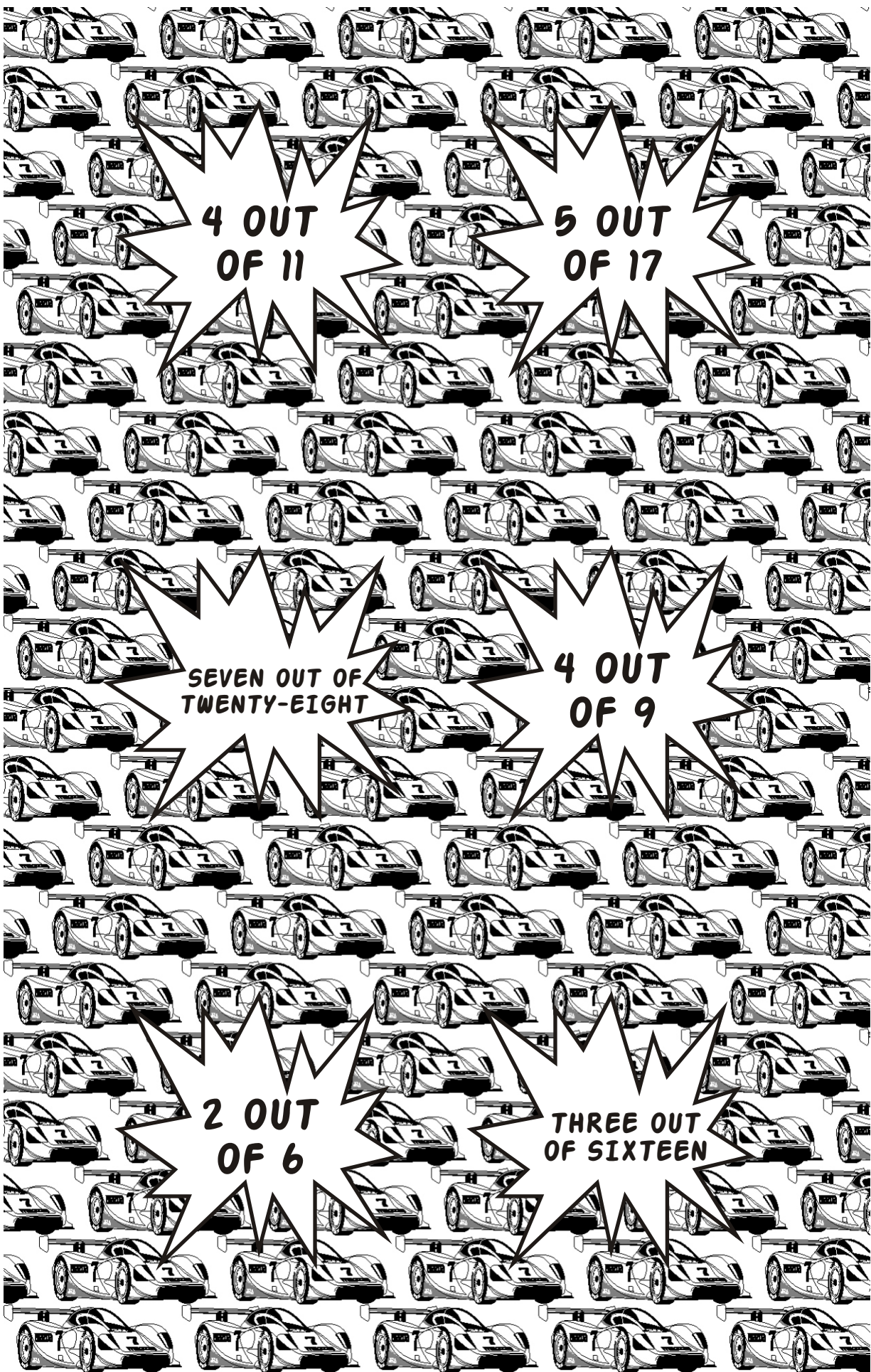
JILL HAS SEVERAL COINS IN THE BOTTOM OF HER PURSE. SHE HAS A DOZEN PENNIES, 7 NICKELS, 5 DIMES, AND 3 QUARTERS. IF JILL REACHES INTO HER PURSE AND CHOOSES A COIN WITHOUT LOOKING, WHAT IS THE PROBABILITY SHE WILL CHOOSE A PENNY?

- 9 OUT OF 12
- 7 OUT OF 12
- 12 OUT OF 27
- 19 OUT OF 27

GUILLERMO HAS A NUMBER CUBE LABELED WITH THE FOLLOWING NUMBERS: 3, 7, 9, 11, 15, 16. IF HE ROLLS THE NUMBER CUBE ONE TIME, WHAT ARE THE CHANCES HE WILL ROLL AN ODD NUMBER?

- 5 OUT OF 6
- 4 OUT OF 6
- 3 OUT OF 6
- 1 OUT OF 6

MRS. MILLER WROTE THE FOLLOWING NUMBERS ON INDIVIDUAL CARDS: 9, 11, 15, 17, 18, 21, 25, 30. IF MRS. MILLER RANDOMLY CHOOSES 1 CARD, WHAT ARE THE CHANCES SHE WILL CHOOSE A MULTIPLE OF 3?
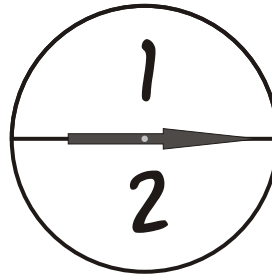
- 4 OUT OF 8
- 5 OUT OF 8
- 6 OUT OF 8
- 7 OUT OF 8

MRS. REED DREW SEVERAL GEOMETRIC SHAPES ON CARDS. SHE DREW A SQUARE, PENTAGON, HEXAGON, TRIANGLE, OCTAGON, AND A RHOMBUS. IF SHE RANDOMLY CHOOSES A CARD WITHOUT LOOKING, WHAT IS THE PROBABILITY THE CARD WILL HAVE A SHAPE ON IT THAT HAS MORE THAN 4 SIDES?

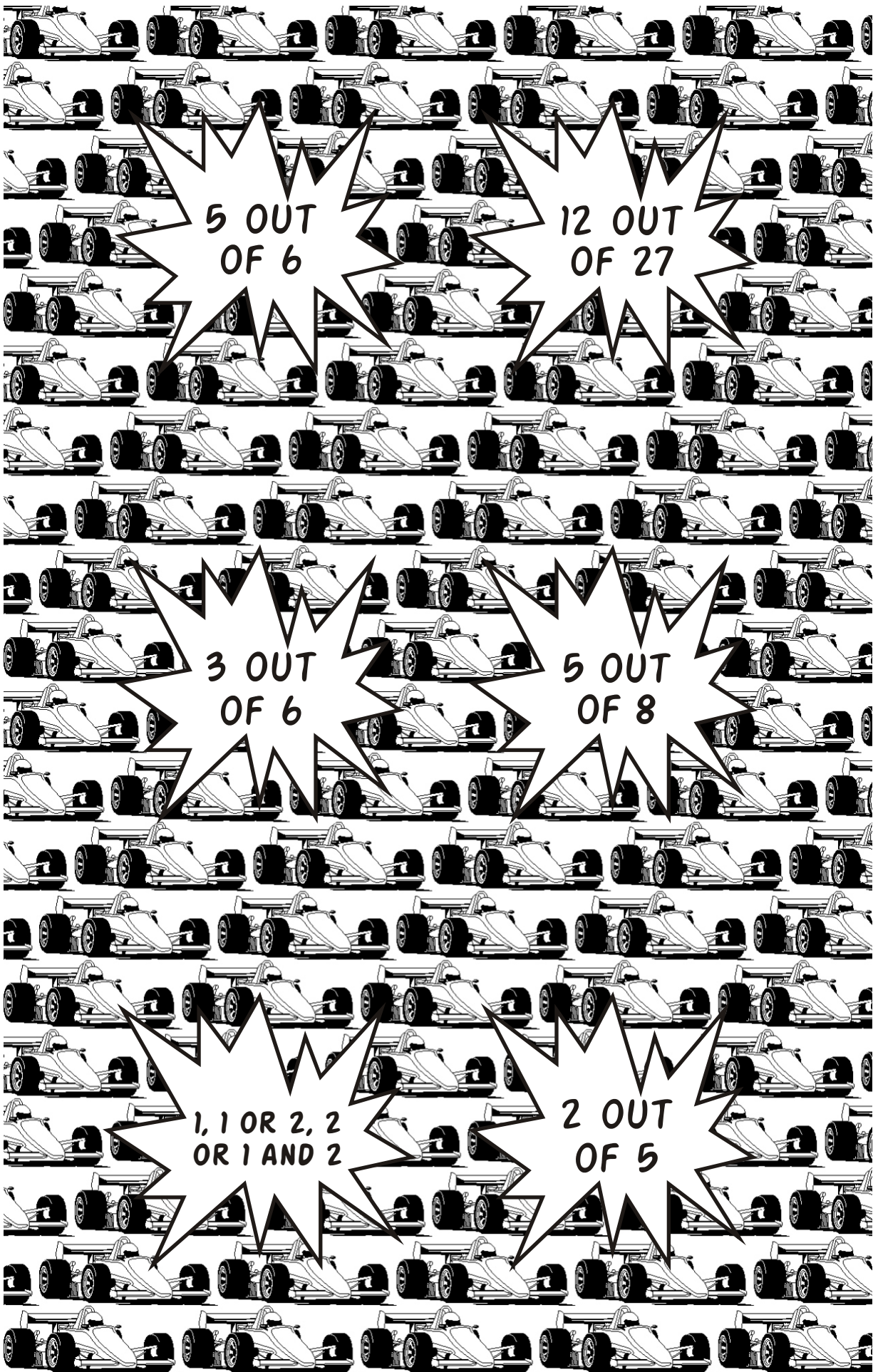- 3 OUT OF 6
- 4 OUT OF 6
- 5 OUT OF 6
- 6 OUT OF 6

MR. GARZA HAD SEVERAL 3-DIMENSIONAL FIGURES. HE HAD A CUBE, A SPHERE, A CYLINDER, A TRIANGULAR PYRAMID, AND A RECTANGULAR PRISM. IF ONE OF THE FIGURES IS RANDOMLY CHOSEN, WHAT IS THE PROBABILITY THAT THE FIGURE CHOSEN ROLLS?

- 2 OUT OF 3
- 2 OUT OF 5
- 3 OUT OF 5
- 4 OUT OF 5

IF THE SPINNER ABOVE IS SPUN TWICE, WHAT ARE ALL OF THE POSSIBLE OUTCOMES?

- 1, 1 OR 2, 2 OR 1 AND 2
- 1, 1
- 2, 2
- 1 AND 2

5 OUT
OF 6

12 OUT
OF 27

3 OUT
OF 6

5 OUT
OF 8

1, 1 OR 2, 2
OR 1 AND 2

2 OUT
OF 5

90

Chance Raceway

START

FINISH

PASSED 2 CARS!
Move up 2 or each opponent back 1

PIT STOP

Lose A Turn

TOO SLOW THROUGH TURN!
Go Back 1

OIL SPILL!
Go Back 3

RECORD TIME THROUGH TURN!
Move Up 1

YOU'RE FLYING!
Move up 2 spaces