

MCA Assessment #1

MCA-IV-B: Probability

Problem #32 from Grade
4 MCA Item Sampler.

Strand 4.IV.B.1

- Q1** A fair coin (shown below) is tossed 10 times.



Heads



Tails

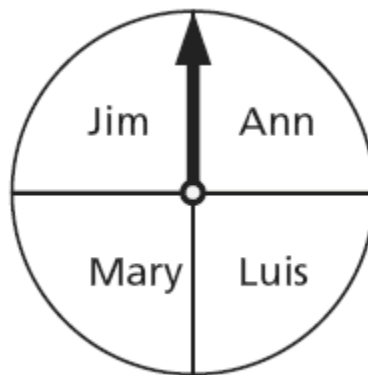
How many times would the coin be expected to land with heads up?

- A. 2 out of 10
- B. 3 out of 10
- C. 4 out of 10
- D. 5 out of 10

Problem #33 from Grade
4 MCA Item Sampler.

Strand 4.IV.B.1

- Q2** Jim and 3 of his friends are playing a spinner game. The spinner is divided into 4 sections of equal size (shown below).



What is the probability that the arrow of the spinner will land on the first spin on Jim's section?

- A. $\frac{1}{4}$
- B. $\frac{1}{3}$
- C. $\frac{2}{3}$
- D. $\frac{3}{4}$

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Problem #31 from Grade
5 MCA Item Sampler.

Strand 5.IV.B.1

- Q3** The table describes a group of colored balls.

Colored Balls

Color	Number
Red	3
Pink	2
Yellow	2
Blue	3

Alex chooses 1 ball at random. What is the probability that Alex will choose a yellow ball?

- A. $\frac{1}{10}$
B. $\frac{2}{10}$
C. $\frac{2}{8}$
D. $\frac{8}{10}$

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Problem #31 from Grade
6 MCA Item Sampler.

Strand 6.IV.B.2

Q4 Adam has a bowl that contains gumdrops of all the same size. The bowl contains these gumdrops:

- 10 green gumdrops
- 10 red gumdrops
- 10 yellow gumdrops
- 5 purple gumdrops

Adam takes one gumdrop from the bowl at random. What is the probability that it will be purple?

- A. 1 out of 4
- B. 1 out of 5
- C. 1 out of 6
- D. 1 out of 7

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Q5 This assessment covered calculating probability.

Would you say this assessment was **super-easy**, **kind-of-easy**, **kind-of-hard**, or **super-hard**? Be sure to answer why.

Would you like to work on this type of material with your tutor?

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**ANSWER KEY --
PLEASE DO NOT
SHOW STUDENT
ANSWERS OR
COVER THIS
ASSESSMENT
WITH STUDENT.**

Q1: D

Q2: A

Q3: B

Q4: D

Q5: Please Grade By Hand.

ANSWER KEY