Math Practice - Grade 7

M10 Probability - Experimental and theoretical probability

M10 7.SP.5, 7.SP.6, 7.SP.7, 7.SP.7a, 7.SP.7b, 7.SP.8, 7.SP.8a, 7.SP.8b, 7.SP.8c

Name: _____ Date: _____

Read the trial results. Write the answer in the box.

Example: A number cube is rolled 60 times. About how many times will a 6 come up?

How: Experimental probability is how many times it happened divided by how many trials there were. In many trials it gets close to the theoretical probability, but it is rarely exact.

About 10

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1 **A number cube is rolled 600 times. About how many times will an even number come up?**

About ☐

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2 **A number cube is rolled 60 times. About how many times will a 3 or a 6 come up?**

About ☐

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3 **A number cube is rolled 100 times. About how many times will an even number come up?**

About ☐

Math Practice - Grade 7

M10 Probability - Experimental and theoretical probability

M10 7.SP.5, 7.SP.6, 7.SP.7, 7.SP.7a, 7.SP.7b, 7.SP.8, 7.SP.8a, 7.SP.8b, 7.SP.8c

Name: _____ Date: _____

Read the trial results. Write the answer in the box.

Example: A number cube is rolled 60 times. About how many times will a 6 come up?

How: Experimental probability is how many times it happened divided by how many trials there were. In many trials it gets close to the theoretical probability, but it is rarely exact.

About [10]

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1 **A number cube is rolled 600 times. About how many times will an even number come up?**

About [ ]

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2 **A number cube is rolled 50 times. About how many times will an even number come up?**

About [ ]

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3 **A coin was tossed 40 times. Heads came up 2 times. What is the experimental probability of heads?**

$$P = \frac{\square}{\square}$$

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Name: _____ Date: _____

Read the trial results. Write the answer in the box.

Example: A number cube is rolled 100 times. About how many times will an even number come up?

How: Experimental probability is how many times it happened divided by how many trials there were. In many trials it gets close to the theoretical probability, but it is rarely exact.

About [50]

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1 **A number cube is rolled 300 times. About how many times will a 6 come up?**

About [ ]

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2 **A number cube was rolled 60 times. A 6 came up 3 times. What is the experimental probability of rolling a 6?**

$P = \frac{\square}{\square}$

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3 **A number cube is rolled 200 times. About how many times will an even number come up?**

About [ ]