

**Warmup/Review**

USE separate paper if necessary

1. Which of the following values **cannot** describe the probability of an event?

A. 100%

B.  $\frac{3}{4}$

C. 0

D. 1.2

These all previous provincial exam questions

2. You have a stack of ten cards numbered 11 to 20. What is the probability that a randomly drawn card is an odd number **or** a multiple of three?

A. 0.3

B. 0.5

C. 0.7

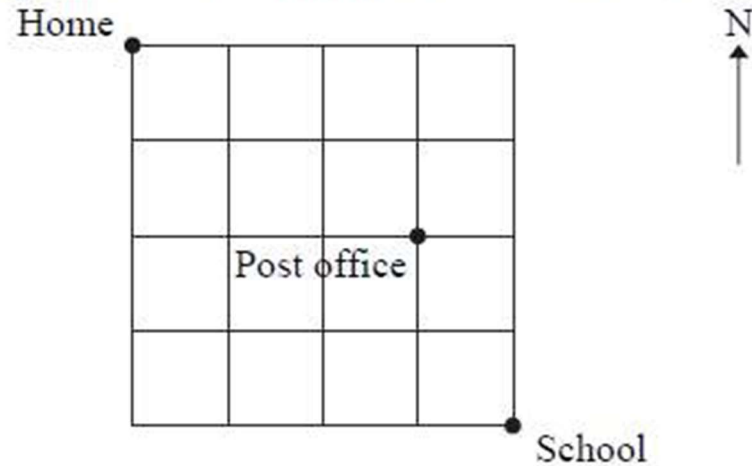
D. 0.8

3. Lena runs every day. If it is sunny, the probability she will run outside is 75%. If it is not sunny, the probability that she will run outside is 20%. A 45% probability of sunshine has been announced for tomorrow.

a) Use a graphic organizer to show all the possible outcomes for this situation

b) Determine the probability that Lena runs outside tomorrow. Show your work.

5. Alec walks eight blocks from home to school every morning.



*Warmup/Review*

- If he only travels south and east, what is the total number of routes from home to school?
- What is the probability that his route from home to school passes by the post office?

Show your work.

*← A bit of thinking!*

- There are 18 girls and 12 boys trying out for a debate team.
  - How many different teams of 4 members can be formed if there are **no restrictions**?
  - How many different teams of 4 members can be formed if **exactly two members must be girls**?
  - How many different teams of 4 members can be formed if **at least two members must be girls**?

Show your work.

*These are all previous prog exam questions!*