

Name:

Date:

Probability

This jar contains a variety of chocolates.



caramel



lemon



coffee



hazelnut



strawberry

1) You put all the chocolates onto a tray and pick one without looking. What is the probability that the first chocolate you pick is:

a) caramel?

b) lemon?

c) coffee?

d) hazelnut?

e) strawberry?

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2) If the first chocolate you picked was lemon what is the probability that the next chocolate would be:

- a) caramel?
- b) lemon?
- c) coffee?
- d) hazelnut?
- e) strawberry?

3) Work out the probability of choosing each chocolate in the order listed in the table below: (the first two entries have already been completed).

	1st chocolate	2nd chocolate	3rd chocolate
a	caramel $\frac{2}{24}$	lemon $\frac{8}{23}$	strawberry
b	strawberry	coffee	coffee
c	hazelnut	coffee	caramel
d	lemon	strawberry	coffee

4) You shared the chocolates with five of your friends and picked one for yourself. The chocolates chosen were 2 hazelnut, 1 caramel, 1 lemon, 1 coffee and 1 strawberry.

How many chocolates are left?

What is the probability that the next chocolate you pick is:

- a) caramel?
- b) lemon?
- c) coffee?
- d) hazelnut?
- e) strawberry?