Number

of shirts

6

4 3

2

Color

red

white

orange

blue

	KPY		9	
Name	1107.	Class	Date	
		P.	(C. 102)	

Practice 12-7 Experimental Probability

The table shows the colors of Rahmi's soccer shirts. For each color, find the experimental probability that a random shirt from Rahmi's collection is that color. Write the probability as a percent, to the nearest tenth of a percent.

- 1. red 40%
- 2. white 26, 7%
- 3. orange 20% 4. blue 13.3%
- 5. red or blue 53.3% 6. not white 73.3%
- 7. not orange or red 40%
- 8. green

Your school's baskethall team has an equal chance of winning or losing the first three games of the season. You simulate the probability by tossing a coin 60 times, letting heads stand for a win and tails stand for a loss. Use the data below. Find each experimental probability as a percent.

HHI THI THI THE HIH THH THH HIH HIH THH TTH THH HTT TTT HTT HHT TTH HTH THH

- 9. $P(\text{win all 3}) = \frac{2}{20} = \frac{10}{6} =$
- 11. $P(\text{win exactly 1}) = \frac{6}{20} = \frac{3}{10} = \frac{30}{0} = \frac{30}{0} = \frac{12}{10} = \frac{12}{$
- 13. $P(\text{win at least 2}) = \frac{13}{20} = 65\%$ 14. $P(\text{win at least 1}) = \frac{19}{20} = 95\%$

- 15. P(win less than 2)
- 表=35% Students were surveyed about the number of children

living in their household. The table shows the results. Write each experimental probability as a fraction in simplest form.

- 16. P(one child) = 12 = 1
- 17. $P(2 \text{ or more children}) = \frac{22}{33} = \frac{2}{3}$
- 18. P(at least 3 children) ...

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Number of children	Number of students
, 0	0
1	11
2	15
3	3
4 or more	4



