Chapter 5 Get Ready Answers

Question 1

a) $\dfrac{1}{2} = 0.5$

b) $\dfrac{2}{5} = 0.4$

c) $\dfrac{7}{10} = 0.7$

d) $\dfrac{1}{4} = 0.25$

Question 2

a) $0.5 \times 100 \% = 50\%$

b) $0.4 \times 100 \% = 40\%$

c) $0.7 \times 100 \% = 70\%$

d) $0.25 \times 100\% = 25\%$

Question 3

a) $\dfrac{12}{16} = 0.75,$
   $0.75 \times 100 \% = 75\%$

b) $\dfrac{17}{20} = 0.85,$
   $0.85 \times 100 \% = 85\%$

c) $\dfrac{9}{24} = 0.375,$
   $0.375 \times 100 \% = 37.5\%$

d) $\dfrac{18}{36} = 0.5,$
   $0.5 \times 100 \% = 50\%$

Chapter 5 Get Ready Answers (continued)

Question 4

a) The possible outcomes for tossing a coin are heads and tails. The outcomes are equally likely.

b) The possible outcomes for choosing a marker are red, blue, yellow, brown, and orange. Each outcome is not equally likely because there is not an equal number of each colour.

Question 5

a) The possible outcomes for rolling a die are 1, 2, 3, 4, 5, and 6. The outcomes are equally likely.

b) The possible outcomes for the spinner are 1, 2, 3, 4, and 5. The outcomes are not equally likely since the area for 1 or 2 is greater than the area given for 3, 4 or 5.

Question 6

a) The possible outcomes for choosing one bead are red, black, green, yellow, and orange. The outcomes are not equally likely because there are more beads of some colours than others.

b) The possible outcomes of spinning a wheel are Try Again, $1, Candy, and Toy. The outcomes are equally likely since the sections are equal in area.

c) The possible outcomes for choosing a path are Hiker's Lane, Amber's Alley, and Wilderness Walk. The outcomes are equally likely.

d) Answers will vary. For example, consider M, A, R, and Y. The outcomes are equally likely. (If a name has two or more of the same letter, the outcomes may not be equally likely.)

Question 7

a) The dog is the most popular type of pet.

b) The least favourite choice of pet is the hamster.

c) 13 students chose cat as their favourite.

d) 7 students chose bird as their favourite.

e) 50 students were surveyed altogether.

Type of Pet	Tally
Cat	ⅢⅢ ⅢⅢ Ⅲ
Dog	ⅢⅢ ⅢⅢ ⅢⅢ
Fish	ⅢⅢ ⅢⅢ Ⅰ
Hamster	ⅢⅠ
Bird	ⅢⅢ ⅠⅠ

Chapter 5 Get Ready Answers (continued)

Question 8

a)   17 items were sold in total on Friday.

b)   38 caps were sold on all three days.

c)   53 caps and kilts were sold altogether.

d)   They sold the most kilts on Saturday.

e)   The item they sold the least of on Friday was kilts.

	Caps	Kilts
Friday	ⅢⅢ ⅢⅢ ‖	ⅢⅢ
Saturday	ⅢⅢ ⅢⅢ ⅢⅢ ⅢⅢ	ⅢⅢ ‖‖
Sunday	ⅢⅢ ‖	‖