

Chapter 2

1. $2^4 =$
2. $5^1 =$
3. $10^2 =$
4. $3^4 =$
5. $5^2 =$

6. $1^4 =$
7. $4^2 =$
8. $2^5 =$
9. $5^3 =$
10. $2^3 =$

Chapter 3

1. $4^0 =$
2. $9^0 =$
3. $(2 + 1)^2 =$
4. $(3 - 1)^4 =$
5. $(8 - 5)^0 =$

6. $(6 - 5)^8 =$
7. $(1 + 1 + 1)^4 =$
8. $3^0 =$
9. $(2 + 2)^1 =$
10. $(5 - 1)^0 =$

Chapter 4

1. $\sqrt{\quad} 9$
2. $\sqrt{\quad} 64$
3. $\sqrt{\quad} 100$
4. $\sqrt{\quad} 4$
5. $\sqrt{\quad} 25$

6. $\sqrt[3]{\quad} 8$
7. $\sqrt[3]{\quad} 27$
8. $\sqrt[4]{\quad} 81$
9. $\sqrt[3]{\quad} 1000$
10. $\sqrt{\quad} 49$

Chapter 6

1. $2^{-2} =$
2. $4^{-3} =$
3. $10^{-1} =$
4. $3^{-2} =$
5. $1^{-5} =$

6. $5^{-2} =$
7. $6^{-3} =$
8. $2^{-4} =$
9. $3^{-3} =$
10. $4^{-1} =$

Chapter 7**Change to scientific notation.**

1. .0003
2. 23,400
3. .000062
4. 1,200
5. 40,000

Change to regular notation.

6. 2.5×10^2
7. 6.8×10^{-3}
8. 9×10^4
9. 2×10^{-6}
10. 3.45×10^5

Chapter 8**Find the average.**

1. 8, 10, 12
2. 1, 5, 9
3. 1, 5, 6, 12
4. 3, 4, 4, 7, 8, 10
5. 2, 8, 17
6. 12, 16
7. 10, 20
8. 10, 25, 46
9. 1, 2, 3, 4, 5
10. 50, 60

Chapter 9**Round to the nearest hundred.**

1. 2,770
2. 65,281
3. 460

Round to the nearest tenth.

4. 4.12
5. 14.95
6. 10.088

Round to the nearest hundredth.

7. .431
8. .6923
9. 4.395
10. 9.0432

Chapter 11**Solve the quick way.**

1. $20 \times 100 =$

2. $300 \times 4000 =$

3. $10 \times 89 =$

4. $\frac{450}{10} =$

5. $\frac{34000}{1000} =$

6. $\frac{6000}{18000} =$

Solve using money facts.

7. $25 \times 4 =$

8. $100 \div 4 =$

9. $20 \times 5 =$

10. $250 \times 25 =$

Solve using time facts.

11. $4 \times 15 =$

12. $60 \div 3 =$

13. $60 \div 4 =$

14. $3 \times 20 =$

15. $60 \div 5 =$

Chapter 14**Find the average.**

1. 8, 10, 12
2. 35, 45
3. 5, 7, 11, 17, 25
4. 1, 4, 5, 7, 9, 10
5. 100, 102, 108, 110

Chapter 15**Calculate the mean, median, mode, and range.**

1. 1, 3, 3, 4, 6, 9, 11, 13
2. 5, 7, 7, 10, 10, 10, 12, 13, 17, 20, 22
3. 5, 10, 25, 30, 30, 35

Chapter 17

There is a bowl of 4 silver coins, 12 gold coins, and 7 copper coins. One coin is selected.

1. What is the probability of selecting a silver coin?
2. What is the probability of selecting a gold coin?
3. What is the probability of selecting a copper coin?

There is a die.

4. What is the probability of rolling a 5?
5. What is the probability of rolling a 2 or 4?

There is a standard deck of cards. One card is picked.

6. What is the probability of picking an 8?
7. What is the probability of picking a four of hearts?
8. What is the probability of picking a queen or jack?
9. What is the probability of picking a black card?
10. What is the probability of picking a face card?

Chapter 18

There is a bag of 3 purple beads, 6 blue and 8 white. One bead is selected.

1. What is the probability of picking a blue bead?
2. What are the odds of picking a blue bead?
3. What is the probability of picking a purple or blue bead?
4. What are the odds of picking a white bead?
5. What are the odds of picking a purple or white bead?