Numbers and Words

Integer Values

ANSWER KEY

Write the numbers described by the words.

(1) Five thousand, sixty

5,060

(2) Nine million, seven hundred fifty-three thousand, sixty-two

9,753,062

(3) Four thousand, eight hundred thirty-two

4,832

(4) Five hundred three thousand, seven hundred eighty

503,780

(5) Six hundred ninety thousand, five hundred eight

690,508

(6) Eighty thousand, one hundred fifty-two

80,152

(7) Fifty-four thousand, two hundred three

54,203

(8) Three million, eight hundred nine thousand, two hundred sixty

3,809,260

Write the numbers as words.

(9) 4,902

Four thousand, nine hundred two

(10) 870,650

Eight hundred seventy thousand, six hundred fifty

(11) 58,420

Fifty-eight thousand, four hundred twenty

(12) 1,860

One thousand, eight hundred sixty

(13) 26,091

Twenty-six thousand, ninety-one

(14) 3,426,005

Three million, four hundred twenty-six thousand, five

(15) 340,576

Three hundred forty thousand, five hundred seventy-six

(16) 3,607,809

Three million, six hundred seven thousand, eight hundred nine

Place and Value
ANSWER KEY

a. 4,5<u>6</u>0,000 **What place is the underlined digit in?** <u>ten thousands place</u>

What is the value of the underlined digit? <u>60,000</u>

b. 5<u>6</u>,002,030 **What place is the underlined digit in?** <u>millions place</u>

What is the value of the underlined digit? <u>6,000,000</u>

c. 3,924,5<u>6</u>0 **What place is the underlined digit in?** <u>tens place</u>

What is the value of the underlined digit? <u>60</u>

d. <u>5</u>,019,204 **What place is the underlined digit in?** <u>millions place</u>

What is the value of the underlined digit? <u>5,000,000</u>

e. 6,0<u>7</u>0,321 **What place is the underlined digit in?** <u>ten thousands place</u>

What is the value of the underlined digit? <u>70,000</u>

f. <u>1</u>9,352,340 **What place is the underlined digit in?** <u>ten millions place</u>

What is the value of the underlined digit? <u>10,000,000</u>

g. <u>2</u>3,269,002 **What place is the underlined digit in?** <u>ten millions place</u>

What is the value of the underlined digit? <u>20,000,000</u>

Number Rounding
ANSWER KEY

Answer each of the problems below by rounding the values to the correct decimal place.

(1) Round 29,135,304 to the nearest ten thousand. 29,140,000

(2) Round 603,560 to the nearest hundred. 603,600

(3) Round 467,504 to the nearest hundred. 467,500

(4) Round 2,134,572 to the nearest thousand. 2,135,000

(5) Round 763,352 to the nearest hundred. 763,400

(6) Round 5,389,136 to the nearest thousand. 5,389,000

(7) Round 74,578 to the nearest ten. 74,580

(8) Round 7,527,079 to the nearest ten thousand. 7,530,000

(9) Round 7,074,715 to the nearest thousand. 7,075,000

(10) Round 53,029 to the nearest ten. 53,030

(11) Round 67,152,786 to the nearest ten thousand. 67,150,000

(12) Round 78,181,817 to the nearest ten thousand. 78,180,000

(13) Round 789,485 to the nearest hundred. 789,500

(14) Round 151,257 to the nearest hundred. 151,300

(15) Round 71,311 to the nearest ten. 71,310

(16) Round 516,684 to the nearest hundred. 516,700

(17) Round 43,329 to the nearest ten. 43,330

(18) Round 691,163 to the nearest hundred. 691,200

(19) Round 60,295 to the nearest ten. 60,290

Expanded Notation

When you write a number using expanded notation (expanded form), you are giving a value to each digit.
When you write a number in word form you are putting the number into words.
Let's see how the number 365 looks in standard form, expanded form, and word form.

365 (standard form)
three hundred sixty-five (word form)
300+60+5 (expanded form)

Write each number in word form and in expanded form.

		Word form	Expanded form
1.	327	three hundred twenty-seven	300 + 20 + 7
2.	907	nine hundred seven	900 + 7
3.	432	four hundred thirty-two	400 + 30 + 2
4.	79	seventy-nine	70 + 9
5.	1,464	one thousand four hundred sixty-four	1,000 + 400 + 60 + 4
6.	5,701	five thousand seven hundred one	5,000 + 700 + 1
7.	290	two hundred ninety	200 + 90
8.	8,042	eight thousand forty-two	8,000 + 40 + 2
9.	791	seven hundred ninety-one	700 + 90 + 1
10.	4,444	four thousand four hundred forty-four	4,000 + 400 + 40 + 4

You may see questions similar to these on a test.

Which of these shows 1,382 in expanded notation?

- ○ **A** 1,000 + 382
- ○ **B** 1,300 + 80 + 2
- ⊙ **C** 1,000 + 300 + 80 +2
- ○ **D** 1,000 + 300 + 82

Which of the following is another way to write two thousand two hundred fifty-five?

- ○ **A** 2,522
- ⊙ **B** 2,255
- ○ **C** 2,252
- ○ **D** 2,525

Use subtraction to solve the problems.

1) 152 − 121 = **31**	**2)** 486 − 349 = **137**	**3)** 762 − 411 = **351**	**4)** 477 − 472 = **5**
5) 847 − 411 = **436**	**6)** 193 − 184 = **9**	**7)** 986 − 514 = **472**	**8)** 888 − 872 = **16**
9) 698 − 396 = **302**	**10)** 315 − 241 = **74**	**11)** 135 − 112 = **23**	**12)** 268 − 144 = **124**
13) 975 − 699 = **276**	**14)** 541 − 379 = **162**	**15)** 494 − 470 = **24**	**16)** 749 − 166 = **583**
17) 157 − 143 = **14**	**18)** 782 − 319 = **463**	**19)** 156 − 111 = **45**	**20)** 851 − 556 = **295**

Answers

1. **31**
2. **137**
3. **351**
4. **5**
5. **436**
6. **9**
7. **472**
8. **16**
9. **302**
10. **74**
11. **23**
12. **124**
13. **276**
14. **162**
15. **24**
16. **583**
17. **14**
18. **463**
19. **45**
20. **295**

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Name: **Answer Key**

Use > , < or = to make each equation true.

1)	25	<	28	**2)**	714	<	741
3)	7,726	>	6,277	**4)**	49	=	49
5)	858	=	858	**6)**	1,873	>	1,837
7)	46	<	49	**8)**	386	<	638
9)	1,687	<	7,816	**10)**	19	>	18
11)	985	>	895	**12)**	6,949	<	9,964
13)	39	>	35	**14)**	375	>	357
15)	4,364	<	4,643	**16)**	18	>	14
17)	549	>	495	**18)**	7,724	>	2,747
19)	31	<	38	**20)**	351	>	153
21)	2,821	=	2,821	**22)**	95	>	91
23)	613	<	631	**24)**	6,559	<	6,595
25)	17	>	15	**26)**	296	>	269
27)	1,916	=	1,916	**28)**	87	>	83
29)	497	=	497	**30)**	5,231	>	3,152

Answers

1. <
2. <
3. >
4. =
5. =
6. >
7. <
8. <
9. <
10. >
11. >
12. <
13. >
14. >
15. <
16. >
17. >
18. >
19. <
20. >
21. =
22. >
23. <
24. <
25. >
26. >
27. =
28. >
29. =
30. >

1-15	97	93	90	87	83	80	77	73	70	67	63	60	57	53	50
16-30	47	43	40	37	33	30	27	23	20	17	13	10	7	3	0

Determining Elapsed Time (Hours & Minutes) Name: **Answer Key**

Determine the elapsed time for the following problems.

Ex) 1:35 PM + **3 hrs & 30 mins** = 5:05 PM

1) 6:20 PM + **3 hrs & 25 mins** = 9:45 PM

2) 6:25 PM + **1 hr & 20 mins** = 7:45 PM

3) 1:35 PM + **3 hrs & 50 mins** = 5:25 PM

4) 8:55 PM + **2 hrs & 40 mins** = 11:35 PM

5) 2:10 PM + **3 hrs & 15 mins** = 5:25 PM

6) 5:30 PM + **3 hrs & 25 mins** = 8:55 PM

7) 4:35 PM + **1 hr & 45 mins** = 6:20 PM

8) 8:30 PM + **3 hrs & 15 mins** = 11:45 PM

9) 8:35 PM + **1 hr & 50 mins** = 10:25 PM

10) 3:05 PM + **3 hrs & 25 mins** = 6:30 PM

11) 4:35 PM + **2 hrs & 30 mins** = 7:05 PM

12) 7:05 PM + **3 hrs & 45 mins** = 10:50 PM

13) 5:45 PM + **1 hr & 30 mins** = 7:15 PM

14) 8:35 PM + **2 hrs & 30 mins** = 11:05 PM

15) 2:40 PM + **2 hrs & 25 mins** = 5:05 PM

16) 6:40 PM + **2 hrs & 35 mins** = 9:15 PM

17) 1:15 PM + **2 hrs & 45 mins** = 4:00 PM

18) 5:30 PM + **1 hr & 25 mins** = 6:55 PM

19) 4:25 PM + **3 hrs & 35 mins** = 8:00 PM

20) 5:10 PM + **3 hrs & 20 mins** = 8:30 PM

Answers

Ex. **3 hrs & 30 mins**

1. **3 hrs & 25 mins**
2. **1 hr & 20 mins**
3. **3 hrs & 50 mins**
4. **2 hrs & 40 mins**
5. **3 hrs & 15 mins**
6. **3 hrs & 25 mins**
7. **1 hr & 45 mins**
8. **3 hrs & 15 mins**
9. **1 hr & 50 mins**
10. **3 hrs & 25 mins**
11. **2 hrs & 30 mins**
12. **3 hrs & 45 mins**
13. **1 hr & 30 mins**
14. **2 hrs & 30 mins**
15. **2 hrs & 25 mins**
16. **2 hrs & 35 mins**
17. **2 hrs & 45 mins**
18. **1 hr & 25 mins**
19. **3 hrs & 35 mins**
20. **3 hrs & 20 mins**

1-10	95	90	85	80	75	70	65	60	55	50
11-20	45	40	35	30	25	20	15	10	5	0

Determine the answer for the following problems.

1) Vanessa had two pages of math homework and eight pages of reading homework. If each page had two problems on it, how many problems did she have to complete total?

$8 + 2 = 10$ $10 \times 2 = 20$

2) Terra bought three new chairs and three new tables for her house. If she spent seven minutes on each piece furniture putting it together, how many minutes did it take her to finish?

$3 + 3 = 6$ $6 \times 7 = 42$

3) A pet store has four bird cages. If each cage has six parrots and three parakeets in it, how many birds does the pet store have total?

$3 + 6 = 9$ $9 \times 4 = 36$

4) Quincy and his friend were buying trick decks from the magic shop for nine dollars each. How much did they spend if Quincy bought two decks and his friend bought three decks?

$3 + 2 = 5$ $5 \times 9 = 45$

5) While playing a trivia game, Paul answered two questions correct in the first half and eight questions correct in the second half. If each question was worth nine points, what was his final score?

$2 + 8 = 10$ $10 \times 9 = 90$

6) While shopping for music online, Terra bought two country albums and seven pop albums. Each album came with a lyric sheet and had seven songs. How many songs did Terra buy total?

$2 + 7 = 9$ $9 \times 7 = 63$

7) At Tom's Restaurant a group with four adults and three children came in to eat. If each meal cost three dollars, how much was the bill?

$4 + 3 = 7$ $7 \times 3 = 21$

8) Quincy was putting his spare change into piles. He had six piles of quarters and three piles of dimes. If each pile had ten coins in it, how many coins did he have total?

$6 + 3 = 9$ $9 \times 10 = 90$

9) Faye's favorite band was holding a concert where tickets were nine dollars each. Faye bought two tickets for herself and her friends and seven extra tickets in case anyone else wanted to go. How much did she spend?

$7 + 2 = 9$ $9 \times 9 = 81$

10) There were eight friends playing a video game online when two more players joined the game. If each player had five lives, how many lives did they have total?

$8 + 2 = 10$ $10 \times 5 = 50$

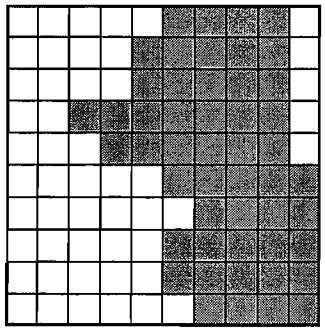
Answers

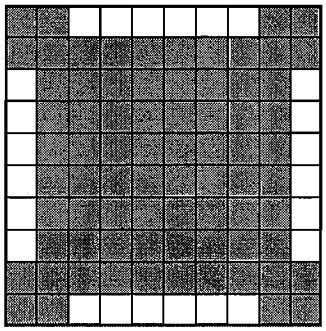
1. **20**
2. **42**
3. **36**
4. **45**
5. **90**
6. **63**
7. **21**
8. **90**
9. **81**
10. **50**

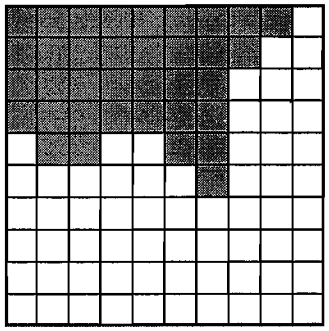
1-10	90	80	70	60	50	40	30	20	10	0

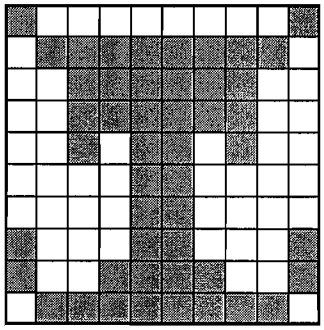
Area - Determining Area with Blocks Name: **Answer Key**

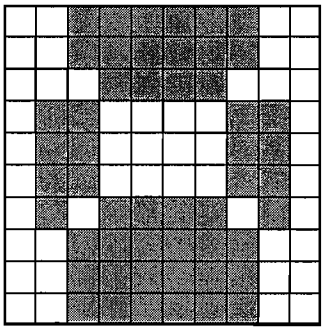
Determine the area of the following figures. Each shaded portion represents 1 sq unit.

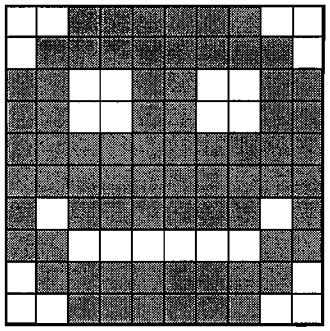
1) 

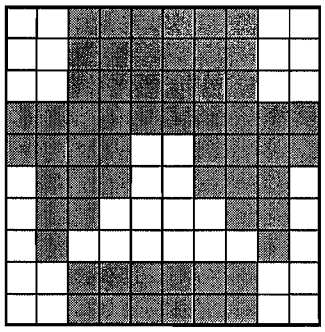
2) 

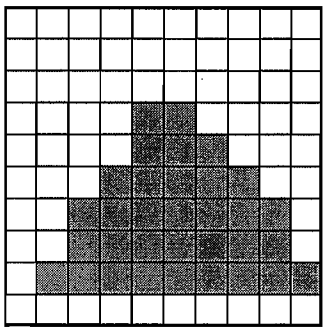
3) 

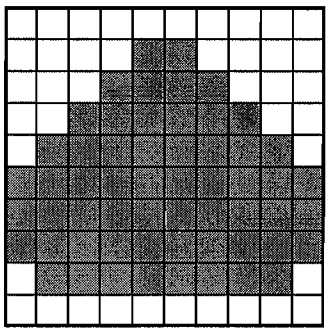
4) 

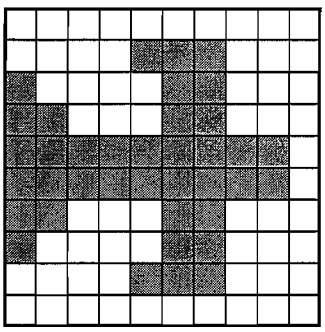
5) 

6) 

7) 

8) 

9) 

10) 

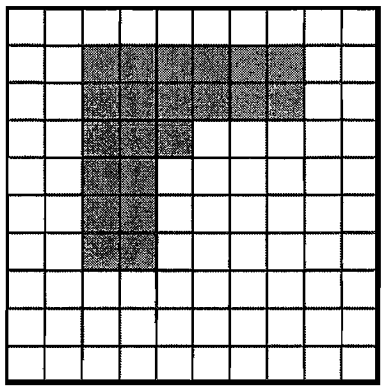
Answers

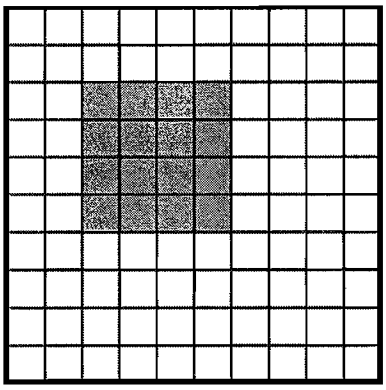
1. **50**
2. **76**
3. **36**
4. **48**
5. **52**
6. **72**
7. **60**
8. **33**
9. **58**
10. **38**

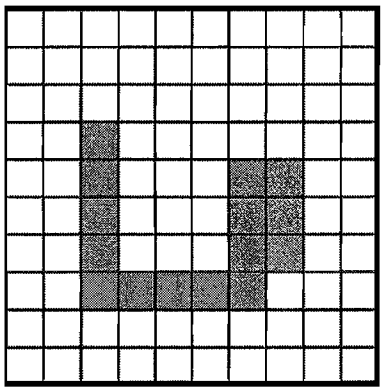
1-10	90	80	70	60	50	40	30	20	10	0

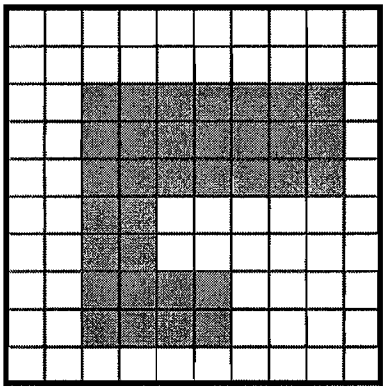
Finding Perimeter (With Blocks) Name: **Answer Key**

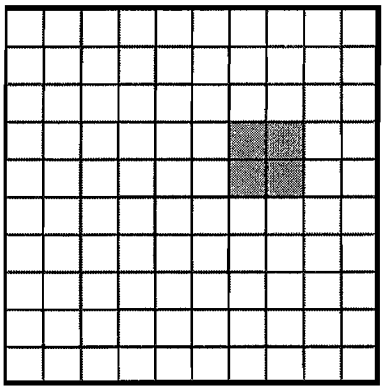
Determine the perimeter of the figures. Each shaded portion represents 1 sq unit.

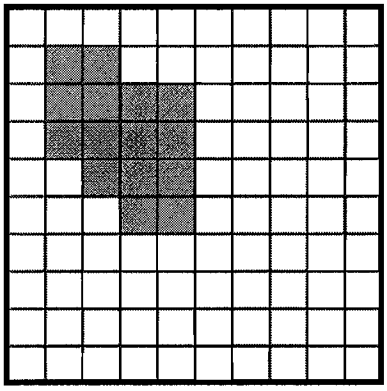
1) 

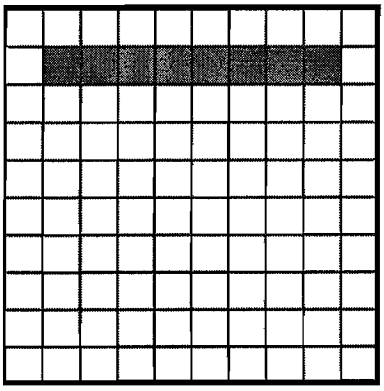
2) 

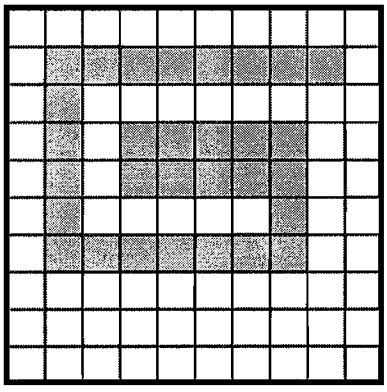
3) 

4) 

5) 

6) 

7) 

8) 

Answers

1. **24**
2. **16**
3. **28**
4. **32**
5. **8**
6. **18**
7. **18**
8. **54**

1-8	88	75	63	50	38	25	13	0