

FOURTH GRADE

SUMMER

MATH

REVIEW

Name: _____

Subtract Across Zeros

Find the difference.

Please do even numbers.

1.
$$\begin{array}{r} 3,000 \\ - 2,780 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 4,003 \\ - 2,232 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 8,005 \\ - 5,004 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 6,200 \\ - 4,816 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 5,700 \\ - 1,751 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 9,100 \\ - 3,759 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 20,000 \\ - 13,652 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 10,000 \\ - 2,842 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 90,000 \\ - 66,536 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 50,000 \\ - 13,747 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 20,000 \\ - 15,136 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 50,075 \\ - 32,097 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 70,000 \\ - 29,134 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 50,000 \\ - 19,673 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 70,006 \\ - 43,989 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 20,000 \\ - 9,342 \\ \hline \end{array}$$

Compare. Write $<$, $>$, or $=$ in each \bigcirc .

17. $2,006 - 1,513 \bigcirc 4,075 - 3,209$

18. $7,004 - 6,315 \bigcirc 5,075 - 4,897$

19. $8,003 - 3,695 \bigcirc 7,473 - 2,127$

20. $9,200 - 5,861 \bigcirc 6,153 - 2,814$

21. $3,009 - 1,819 \bigcirc 8,006 - 6,952$

22. $4,284 - 2,651 \bigcirc 9,000 - 7,367$

Mixed Review

23.
$$\begin{array}{r} 6,491 \\ + 8,034 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 9,403 \\ + 199 \\ \hline \end{array}$$

25.
$$\begin{array}{r} 8,662 \\ + 8,449 \\ \hline \end{array}$$

26.
$$\begin{array}{r} 7,361 \\ + 9,170 \\ \hline \end{array}$$

27.
$$\begin{array}{r} 2,649 \\ + 3,427 \\ \hline \end{array}$$

28.
$$\begin{array}{r} 2,831 \\ + 6,923 \\ \hline \end{array}$$

29.
$$\begin{array}{r} 1,424 \\ + 3,462 \\ \hline \end{array}$$

30.
$$\begin{array}{r} \$2,455 \\ + \$3,119 \\ \hline \end{array}$$

Find a Rule

Find a rule. Write the rule as an equation.

Please do even numbers.

1.

Input	Output
x	y
6	12
14	20
9	15
11	17

$x + 6$

$x + 6 = y$

2.

Input	Output
a	b
18	10
9	1
12	4
15	7

3.

Input	Output
r	k
45	39
27	21
18	12
21	15

4.

Input	Output
t	m
13	25
8	20
17	29
3	15

Use the rule and equation to make an input/output table.

5. Add 8.

$t + 8 = p$

Input	Output
5	13

6. Subtract 3.

$w - 3 = t$

Input	Output
5	2

7. Add 14.

$c + 14 = m$

Input	Output

8. Subtract 28.

$b - 28 = g$

Input	Output

9. Add 23.

$g + 23 = y$

Input	Output

10. Subtract 32.

$m - 32 = w$

Input	Output

11. Subtract 9.

$x - 9 = b$

Input	Output

12. Add 28.

$t + 28 = r$

Input	Output

Mixed Review

Round to the nearest million.

13. 58,405,303

14. 492,920,302

15. 289,810,304

Make Line Graphs

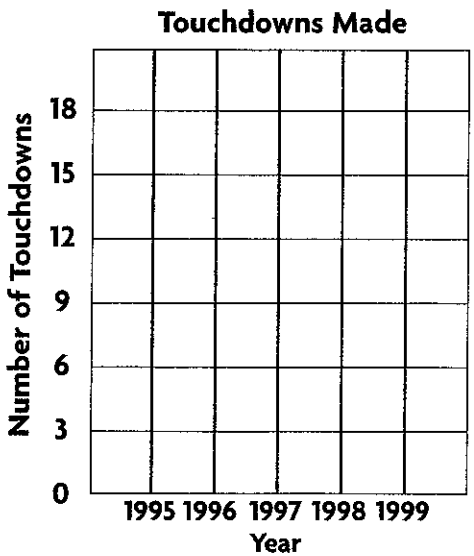
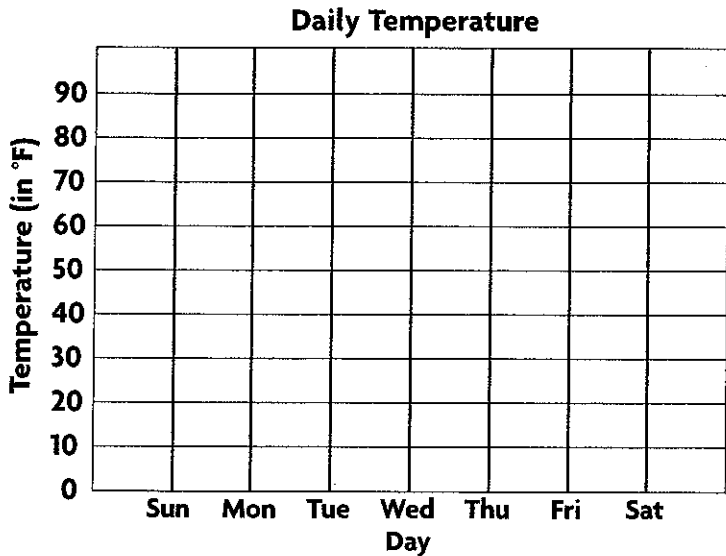
For 1–2, complete the line graph.

1.

Daily Temperature							
Day	Sun	Mon	Tue	Wed	Thu	Fri	Sat
Temperature (in °F)	65	70	85	75	70	80	80

2.

Touchdowns Made					
Year	1995	1996	1997	1998	1999
Number of Touchdowns	10	12	9	15	18



3. Which day had the highest temperature? What was the temperature on that day?

4. Describe any trends in the number of touchdowns made.

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Mixed Review

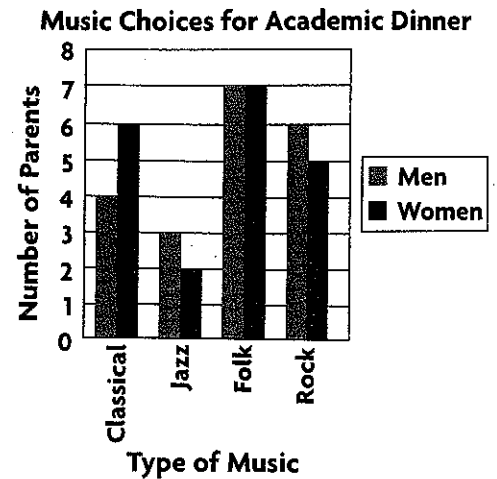
5. Compare. Use $<$, $>$, or $=$.
 7,458 ○ $8,125 - 304$

6. What number is 100,000 greater than 1,825,435?

Problem Solving Skill**Draw Conclusions**

For 1–7, use the graph.

The parents of Mrs. Watkins' fourth grade students wanted to compare their favorite music choices for the Academic Dinner. Mr. Kennedy took a survey and made a double-bar graph.



- What is the favorite music choice for men?

- What is the favorite music choice for women?

- How many men prefer to have rock and roll at the banquet?

- How many women prefer classical music?

- Which type of music is preferred equally by the men and women?

- How many men were surveyed altogether? women?

- Is it reasonable to conclude that the parents chose folk music for the Academic Dinner? Explain.

Mixed Review

- What number is 100,000 greater than 3,489,234?

- Round 355,790 to the nearest thousand.

- Estimate. $390,645 + 71,960$

- Estimate. $495,931 + 889,853$

Before and After the Hour

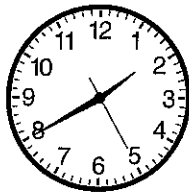
Write the time as shown on a digital clock.

1. 7 minutes after 3 2. 28 minutes before 11 3. 15 minutes after 5

4. 18 minutes after 2 5. 3 minutes after 12 6. 15 minutes before 7

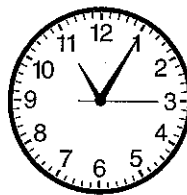
Write the time shown on the clock in 2 different ways.

7.

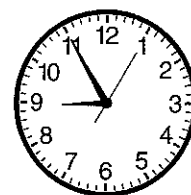


1. 1:40 and 25 sec.
 2. 40 min and 25 sec.
after 1 o'clock

8.



9.



Write the letter of the unit used to measure the time.
 Use each answer only once.

- | | | |
|---------------------------------------|-------|------------|
| 10. to take a shower | _____ | a. days |
| 11. to drive across the United States | _____ | b. hours |
| 12. to button a button | _____ | c. minutes |
| 13. to get a night's sleep | _____ | d. seconds |

Mixed Review

- | | |
|--|---|
| 14. Find the value of the expression.
$59 - (32 + 12)$ _____ | 15. Find the value of the expression.
$(28 - 9) - (4 + 8)$ _____ |
| 16. Order from least to greatest:
37,623; 37,326; 36,723
_____ | 17. Estimate the difference
between 47,791 and 35,167.
_____ |

A.M. and P.M.

Vocabulary

Complete.

1. _____ means "before noon."

2. _____ means "after noon."

Write the time, using A.M. or P.M.

3. when the sun rises

4. when you eat dinner

5. when school starts

6. when the gas station closes

7. when you eat breakfast

8. when the mall opens

Write A.M. or P.M.

9. Marty has a doctor's appointment

10. Ron is going shopping from

at 11:15 _____.

3 _____ to 5 _____.

11. Marci is baby-sitting at 9:30

12. Juan's shift begins at 4:45 in

Saturday morning _____.

the afternoon _____.

Mixed Review

Find the value of each expression.

13. $45 + (16 - 8)$ _____

14. $73 - (36 + 23)$ _____

15. Manuela has 2 one dollar bills, 5 quarters, 8 dimes, a nickel and 3 pennies. How much money does she have?

16. Write five million, six hundred thirty thousand, eight hundred ninety-two in standard form.

Problem Solving Skill

Sequence Information

Mr. Anderson is taking his history class to a museum. The students will take a tour, view 2 movies, and visit the costume room. The bus will drop the class off at 9:15 A.M. and pick them up at 3:30 P.M. Lunch will be from 12:15 P.M. to 12:45 P.M. Tours of the museum last 1 hour and 15 minutes.

Revolutionary Heroes Movie	
running time: 45 min	
9:00 A.M.	1:00 P.M.
10:00 A.M.	2:00 P.M.
11:00 A.M.	3:00 P.M.

Battlegrounds Movie	
running time: 37 min	
9:30 A.M.	1:30 P.M.
10:30 A.M.	2:30 P.M.
11:30 A.M.	5:00 P.M.

- Will the class be able to see both movies before lunch? If so, name a schedule.

- If the class begins the museum tour at 9:40 A.M., will it be able to see Revolutionary Heroes Movie and still be ready for lunch at 12:15 P.M.? Explain.

- If the class visits the costume room at 1:45 P.M. and stays for one hour and 10 minutes, can it view *Revolutionary Heroes* and be ready to meet the bus?

- Make a schedule for the class which includes both movies, a tour of the museum, and a visit to the costume room.

My Museum Tour Schedule	
Lunch	12:15 P.M.–12:45 P.M.

Mixed Review

- | | | | |
|--|--|--|--|
| 5. $\begin{array}{r} 370,716 \\ - 192,408 \\ \hline \end{array}$ | 6. $\begin{array}{r} 971,858 \\ - 863,245 \\ \hline \end{array}$ | 7. $\begin{array}{r} 4,330,629 \\ + 6,197,550 \\ \hline \end{array}$ | 8. $\begin{array}{r} 3,606,117 \\ - 3,432,980 \\ \hline \end{array}$ |
|--|--|--|--|

Elapsed Time on a Calendar

For 1–3, use the calendars.

Camp Windy	
Session 1:	Jul 13–Jul 17
Session 2:	Jul 27–Jul 31
Session 3:	Aug 3–Aug 14

June						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
	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. The camp director bought art supplies 4 weeks before the beginning of the first session of camp. On what date did she buy art supplies?

July						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
			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	31	

2. In Session 3, the campers put on a puppet show on the second Wednesday of the session. What was the date of the puppet show?

August						
Sun	Mon	Tue	Wed	Thu	Fri	Sat
						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	31					

3. Jim plans to attend Session 2 of camp. His last day of school is June 19. About how many weeks of summer vacation will Jim have before camp begins?

Mixed Review

Find the value of each expression.

4. $125 - (65 + 22)$

5. $234 - (24 - 13)$

6. $4,590 - (1,293 - 389)$

Round to the nearest ten thousand.

7. 472,099

8. 939,658

9. 3,514,811

Name _____

Multiplication Table Through 12

×	0	1	2	3	4	5	6	7	8	9	10	11	12
0	0	0	0	0	0	0	0	0	0	0	0	0	0
1	0	1	2	3	4	5	6	7	8	9	10	11	12
2	0	2	4	6	8	10	12	14	16	18	20	22	24
3	0	3	6	9	12	15	18	21	24	27	30	33	36
4	0	4	8	12	16	20	24	28	32	36	40	44	48
5	0	5	10	15	20	25	30	35	40	45	50	55	60
6	0	6	12	18	24	30	36	42	48	54	60	66	72
7	0	7	14	21	28	35	42	49	56	63	70	77	84
8	0	8	16	24	32	40	48	56	64	72	80	88	96
9	0	9	18	27	36	45	54	63	72	81	90	99	108
10	0	10	20	30	40	50	60	70	80	90	100	110	120
11	0	11	22	33	44	55	66	77	88	99	110	121	132
12	0	12	24	36	48	60	72	84	96	108	120	132	144

Use the multiplication table to find the product or quotient.

1. $40 \div 4$

2. 5×10

3. $70 \div 10$

4. $110 \div 10$

5. $11 \div 1$

6. 10×8

7. 12×12

8. $66 \div 11$

9. 7×12

10. $108 \div 9$

11. 11×5

12. $36 \div 3$

Find the value of the variable.

13. $30 \div 10 = t$

14. $121 \div y = 11$

15. $80 \div 8 = h$

16. $n \times 12 = 48$

17. $k \times 11 = 132$

18. $10 \times p = 100$

19. $72 \div z = 6$

20. $11 \times j = 99$

Mixed Review

21. $\$63 + \$48 + \$122$

22. Write one thousand, eighty-five in standard form.

23. In 7,894,132, what digit is in the ten thousands place?

24. Round 639.47 to the nearest ten.

25. Find the median.

15, 18, 22, 11, 20, 20, 13

26. Find the mode.

15, 18, 22, 11, 20, 20, 13

27. $(14 - 8) + 17 =$ _____

28. $36 - (3 + 9) =$ _____

29. $(15 + 15) - (12 + 2) =$ _____

30. $(17 - 6) + (42 - 17) =$ _____

Multiply 2-Digit Numbers *Please do even numbers.*

Multiply. Tell which place-value positions need to be regrouped.

1.
$$\begin{array}{r} 29 \\ \times 3 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 18 \\ \times 4 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 37 \\ \times 5 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 96 \\ \times 2 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 62 \\ \times 4 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 15 \\ \times 9 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 50 \\ \times 6 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 33 \\ \times 6 \\ \hline \end{array}$$

Find the product. Estimate to check.

9. 2×26

10. 3×45

11. 7×29

12. 9×63

13. 3×18

14. 8×49

15. 6×19

16. 3×99

Compare. Write $<$, $>$, or $=$ in each \bigcirc .

17. $5 \times 15 \bigcirc 6 \times 12$

18. $3 \times 42 \bigcirc 6 \times 21$

19. $7 \times 22 \bigcirc 8 \times 17$

20. $9 \times 21 \bigcirc 6 \times 37$

21. $2 \times 79 \bigcirc 3 \times 24$

22. $8 \times 23 \bigcirc 4 \times 66$

Mixed Review

23. Which is greater, 909,872 or 990,678?

24. Round 192,875 to the nearest thousand.

Name _____

Multiply 3-Digit Numbers *Please do even numbers.*

Multiply. Tell which place-value positions need to be regrouped.

1.
$$\begin{array}{r} 52 \\ \times 5 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 83 \\ \times 8 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 401 \\ \times 7 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 207 \\ \times 3 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 91 \\ \times 7 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 862 \\ \times 4 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 121 \\ \times 9 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 471 \\ \times 9 \\ \hline \end{array}$$

Find the product. Estimate to check.

9. 504×6

10. 230×4

11. 59×6

12. 812×3

13. 29×8

14. 57×9

15. 755×4

16. 929×5

17.
$$\begin{array}{r} 291 \\ \times 7 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 82 \\ \times 6 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 517 \\ \times 9 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 771 \\ \times 7 \\ \hline \end{array}$$

Compare. Write $<$, $>$, or $=$ in each \bigcirc .

21. $127 \times 6 \bigcirc 308 \times 2$ 22. $94 \times 5 \bigcirc 57 \times 9$ 23. $572 \times 2 \bigcirc 143 \times 8$

Mixed Review

24. What is the elapsed time between 5:12 A.M. and 6:05 P.M.?

25. What is the value of the digit 4 in the number 189.064?

0.004

26. Three brothers each have four pairs of shoes. How many shoes do they have in all?

27. Write 35,801 in expanded form.

Multiply 4-Digit Numbers *Please do even numbers.*

1. Explain where to put the decimal point in
- $\$13.54 \times 9$
- .

Find the product. Estimate to check.

2.
$$\begin{array}{r} 5,092 \\ \times 5 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 834 \\ \times 5 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 4,801 \\ \times 3 \\ \hline \end{array}$$

5.
$$\begin{array}{r} \$20.72 \\ \times 3 \\ \hline \end{array}$$

6.
$$\begin{array}{r} \$42.91 \\ \times 7 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 6,254 \\ \times 7 \\ \hline \end{array}$$

8.
$$\begin{array}{r} \$12.18 \\ \times 9 \\ \hline \end{array}$$

9.
$$\begin{array}{r} \$7.81 \\ \times 9 \\ \hline \end{array}$$

10. $\$46.29 \times 3$

11. 357×6

12. $5,555 \times 4$

13. $\$9.24 \times 7$

14. $(\$6.94 \times 3) \times 2$

15. $(4 \times \$12.25) \times 3$

16. $(982 \times 3) \times 7$

Mixed Review

17. If today is July 1, what was yesterday?

18. Michele was assigned a project on March 7. If she was given 3 weeks to complete the project, when was it due?

19. What is the date two weeks before April 23?

20. What is the median number of days in the months of September, October, and November? _____

Mental Math: Patterns with Multiples

Use a basic fact and a pattern to find the product.

1. $6 \times 5 =$ _____

$6 \times 50 =$ _____

$6 \times 500 =$ _____

3. $3 \times 6 =$ _____

$3 \times 60 =$ _____

$3 \times 600 =$ _____

$3 \times 6,000 =$ _____

5. $10 \times 3 =$ _____

$10 \times 30 =$ _____

$10 \times 300 =$ _____

$10 \times 3,000 =$ _____

7. $600 \times 30 =$ _____

9. $1,000 \times 30 =$ _____

2. $2 \times 2 =$ _____

$2 \times 20 =$ _____

$2 \times 200 =$ _____

4. $9 \times 9 =$ _____

$9 \times 90 =$ _____

$9 \times 900 =$ _____

$9 \times 9,000 =$ _____

6. $40 \times 3 =$ _____

$40 \times 30 =$ _____

$40 \times 300 =$ _____

$40 \times 3,000 =$ _____

8. $70 \times 3,000 =$ _____

10. $6,000 \times 6,000 =$ _____

Find the value of n .

11. $n \times 40 = 8,000$

12. $900 \times 300 = n$

Mixed Review

Round to the place value of the bold digit.

13. 57,4**0**3,294

14. 983,2**0**4,448

15. **9**82,404

Solve.

16.
$$\begin{array}{r} 300,010 \\ - 255,492 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 392,402 \\ 392,402 \\ + 492,148 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 12,498 \\ - 10,816 \\ \hline \end{array}$$

Divide 3-Digit Numbers

Divide.

1. $4 \overline{)137}$

2. $3 \overline{)325}$

3. $2 \overline{)198}$

4. $7 \overline{)924}$

Divide and check.

5. $3 \overline{)152}$

Check:

6. $2 \overline{)542}$

Check:

7. $5 \overline{)627}$

Check:

8. $324 \div 6 = \underline{\hspace{2cm}}$ Check:

9. $647 \div 9 = \underline{\hspace{2cm}}$ Check:

Mixed Review

10.
$$\begin{array}{r} 14 \\ \times 5 \\ \hline \end{array}$$

11.
$$\begin{array}{r} 348 \\ \times 5 \\ \hline \end{array}$$

12.
$$\begin{array}{r} 4,542 \\ \times 7 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 351 \\ \times 4 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 8,421 \\ \times 20 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 2,621 \\ + 5,892 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 7,457 \\ - 3,329 \\ \hline \end{array}$$

17.
$$\begin{array}{r} \$29.82 \\ + 49.70 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 4,608 \\ - 3,789 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 4,816 \\ + 5,184 \\ \hline \end{array}$$

Name _____

Zeros in Division

Write the number of digits in each quotient.

Remember to show your work.

1. $4 \overline{)364}$

2. $6 \overline{)612}$

3. $3 \overline{)411}$

4. $7 \overline{)105}$

5. $5 \overline{)545}$

6. $8 \overline{)432}$

7. $7 \overline{)905}$

8. $2 \overline{)123}$

Divide.

9. $3 \overline{)312}$

10. $4 \overline{)429}$

11. $6 \overline{)526}$

12. $4 \overline{)436}$

13. $6 \overline{)724}$

14. $5 \overline{)531}$

15. $9 \overline{)250}$

16. $7 \overline{)903}$

Mixed Review

17. $8 \times 6 = \underline{\hspace{2cm}}$

18. $12 \times 2 = \underline{\hspace{2cm}}$

19. $9 \times 8 = \underline{\hspace{2cm}}$

20. $4 \times 4 = \underline{\hspace{2cm}}$

21. $6 \times 5 = \underline{\hspace{2cm}}$

22. $7 \times 7 = \underline{\hspace{2cm}}$

23. $7 \times 3 = \underline{\hspace{2cm}}$

24. $9 \times 6 = \underline{\hspace{2cm}}$

25. $12 \times 3 = \underline{\hspace{2cm}}$

26. $11 \times 6 = \underline{\hspace{2cm}}$

27. $3 \times 8 = \underline{\hspace{2cm}}$

28. $8 \times 8 = \underline{\hspace{2cm}}$

29. $9 \times 7 = \underline{\hspace{2cm}}$

30. $12 \times 10 = \underline{\hspace{2cm}}$

31. $5 \times 9 = \underline{\hspace{2cm}}$

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Lines, Rays, and Angles

Vocabulary

Fill in the blanks.

1. A _____ is part of a line and has one endpoint.
2. When two rays have the same endpoint, they form an _____.
3. A _____ angle forms a square corner.
4. An _____ angle is *less than* the measure of a right angle.
5. An _____ angle is *greater than* the measure of a right angle.

Draw and label an example of each.

6. point *D*

7. line *MN*

8. ray *DE*

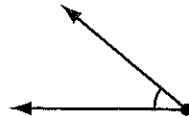
What kind of angle is each? Write *right*, *acute*, or *obtuse*.



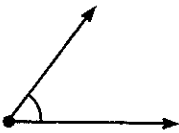
9. _____



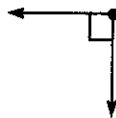
10. _____



11. _____



12. _____



13. _____



14. _____

Mixed Review

15.
$$\begin{array}{r} 9 \\ \times 7 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 8 \\ \times 8 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 7 \\ \times 4 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 10 \\ \times 6 \\ \hline \end{array}$$

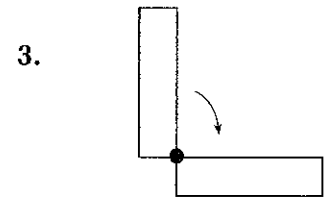
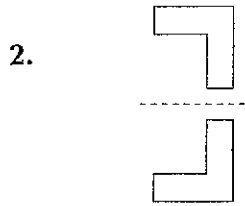
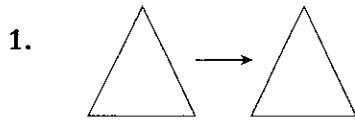
19. $14 \div 2 = \underline{\quad}$

20. $36 \div 6 = \underline{\quad}$

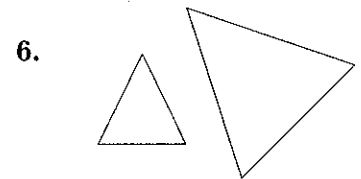
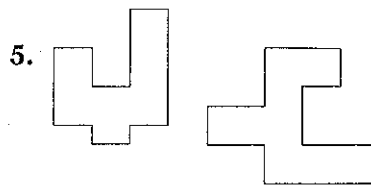
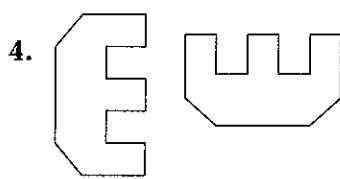
21. $42 \div 6 = \underline{\quad}$

Congruent Figures and Motion

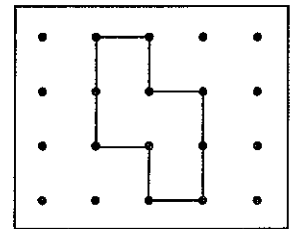
Tell how each figure was moved. Write *slide*, *flip*, or *turn*.



Tell whether the two figures are *congruent*, *similar*, or *neither*.



7. Copy this figure on dot paper.
Then draw figures to show a slide,
a flip, and a turn.



Mixed Review

8. $4,729 - 2,418 =$ _____

9. $2,470 - 981 =$ _____

10. $1,897 + 423 =$ _____

11. $6,231 + 4,865 =$ _____

12. $10,078 - 9,021 =$ _____

13. $9,624 - 3,071 =$ _____

14.
$$\begin{array}{r} 738 \\ 389 \\ 388 \\ + 296 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 199 \\ 309 \\ 374 \\ + 902 \\ \hline \end{array}$$

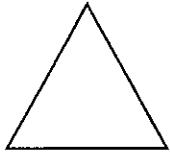
16.
$$\begin{array}{r} 422 \\ 688 \\ 201 \\ + 114 \\ \hline \end{array}$$

17.
$$\begin{array}{r} 237 \\ 640 \\ 888 \\ + 315 \\ \hline \end{array}$$

Symmetric Figures

Tell whether the figure has *rotational symmetry*, *line symmetry*, or *both*.

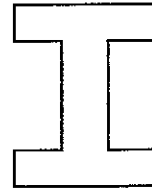
1.



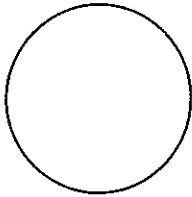
2.



3.



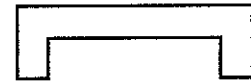
4.



5.



6.



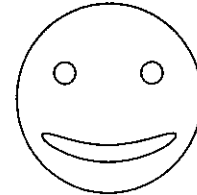
7.



8.



9.



Mixed Review

Write each number in expanded form.

10. $5,654 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

11. $9,232 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

12. $138,045 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

13. $87,657 = \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}} + \underline{\hspace{1cm}}$

Solve.

14. $(7 \times 6) \div 2 = \underline{\hspace{1cm}}$ 15. $(13 - 8) \times 9 = \underline{\hspace{1cm}}$ 16. $6 + (12 \div 2) = \underline{\hspace{1cm}}$

17.
$$\begin{array}{r} 7,614 \\ + 8,093 \\ \hline \end{array}$$

18.
$$\begin{array}{r} 21,355 \\ - 9,787 \\ \hline \end{array}$$

19.
$$\begin{array}{r} 3,630 \\ \times 41 \\ \hline \end{array}$$

20.
$$\begin{array}{r} 2,498 \\ \times 15 \\ \hline \end{array}$$

Read and Write Fractions

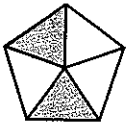
Vocabulary

Fill in the blank.

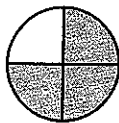
1. A number that names a part of a whole is a _____.

Write a fraction for the shaded part. Write a fraction for the unshaded part.

2.



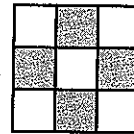
3.



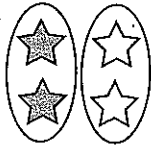
4.



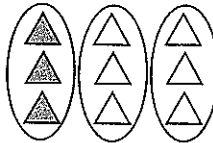
5.



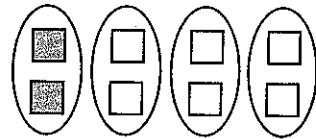
6.



7.



8.



Draw a picture and shade part of it to show the fraction. Write a fraction for the unshaded part.

9. $\frac{2}{6}$

10. $\frac{7}{8}$

11. $\frac{4}{5}$

Mixed Review

12.
$$\begin{array}{r} 12 \\ \times 5 \\ \hline \end{array}$$

13.
$$\begin{array}{r} 11 \\ \times 7 \\ \hline \end{array}$$

14.
$$\begin{array}{r} 9 \\ \times 8 \\ \hline \end{array}$$

15.
$$\begin{array}{r} 6 \\ \times 6 \\ \hline \end{array}$$

16.
$$\begin{array}{r} 12 \\ \times 8 \\ \hline \end{array}$$

17. $5 \overline{)85}$

18. $9 \overline{)81}$

19. $4 \overline{)88}$

20. $12 \overline{)144}$

21. $7 \overline{)56}$

Equivalent Fractions

Vocabulary

Fill in the blank.

1. A fraction whose numerator and denominator can both be divided evenly only by 1 is in _____.

Write two equivalent fractions for each.

2. $\frac{5}{10}$

3. $\frac{6}{18}$

4. $\frac{3}{6}$

5. $\frac{8}{20}$

6. $\frac{4}{12}$

7. $\frac{10}{20}$

8. $\frac{1}{4}$

9. $\frac{9}{36}$

Tell whether each fraction is in simplest form. If not, write it in simplest form.

10. $\frac{3}{4}$

11. $\frac{3}{6}$

12. $\frac{4}{5}$

13. $\frac{3}{7}$

14. $\frac{9}{12}$

15. $\frac{2}{8}$

16. $\frac{16}{32}$

17. $\frac{3}{5}$

Find the missing numerator or denominator.

18. $\frac{6}{12} = \frac{\quad}{2}$

19. $\frac{3}{9} = \frac{1}{\quad}$

20. $\frac{3}{12} = \frac{1}{\quad}$

21. $\frac{5}{15} = \frac{\quad}{3}$

22. $\frac{4}{10} = \frac{2}{\quad}$

23. $\frac{9}{18} = \frac{\quad}{2}$

24. $\frac{4}{16} = \frac{1}{\quad}$

25. $\frac{12}{24} = \frac{\quad}{2}$

Mixed Review

Estimate.

26. $6,834 \times 8$ _____

27. $975 \div 10$ _____

28. $3,210 \times 9$ _____

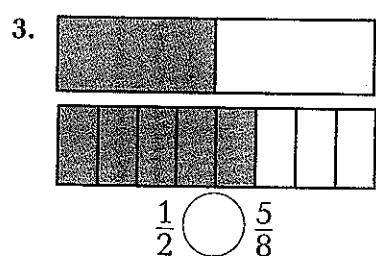
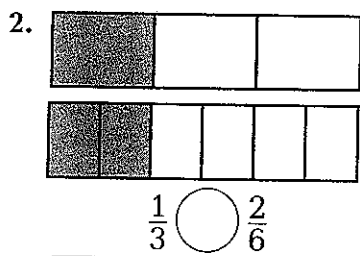
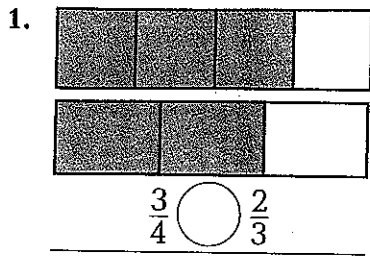
29. $495 \div 5$ _____

30. $888 \div 29$ _____

31. $9,011 \times 10$ _____

Compare and Order Fractions

Write the fraction for each model. Then compare, using $<$, $>$, or $=$.



Write $<$, $>$, or $=$ in \bigcirc .

4. $\frac{1}{3} \bigcirc \frac{1}{4}$

5. $\frac{5}{6} \bigcirc \frac{4}{6}$

6. $\frac{1}{2} \bigcirc \frac{6}{12}$

7. $\frac{3}{4} \bigcirc \frac{3}{5}$

8. $\frac{2}{5} \bigcirc \frac{3}{5}$

9. $\frac{1}{8} \bigcirc \frac{1}{7}$

10. $\frac{2}{4} \bigcirc \frac{1}{2}$

11. $\frac{4}{8} \bigcirc \frac{4}{10}$

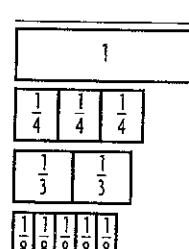
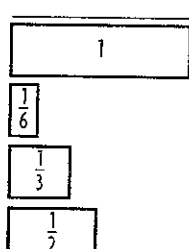
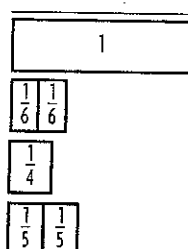
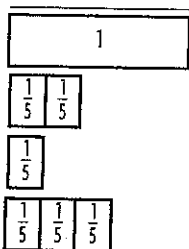
Order the fractions from *greatest* to *least*. Use the models, fraction bars, or a number line to help you.

12. $\frac{2}{5}, \frac{1}{5}, \frac{3}{5}$

13. $\frac{2}{6}, \frac{1}{4}, \frac{2}{5}$

14. $\frac{1}{6}, \frac{1}{3}, \frac{1}{2}$

15. $\frac{3}{4}, \frac{2}{3}, \frac{5}{8}$



Order the fractions from *least* to *greatest*.

16. $\frac{3}{12}, \frac{4}{10}, \frac{2}{3}$

17. $\frac{5}{8}, \frac{1}{2}, \frac{2}{3}$

18. $\frac{1}{4}, \frac{1}{6}, \frac{1}{5}$

19. $\frac{4}{6}, \frac{7}{12}, \frac{2}{5}$

Mixed Review

Write each fraction in simplest form.

20. $\frac{3}{12}$ _____

21. $\frac{5}{25}$ _____

22. $\frac{6}{18}$ _____

23. $\frac{7}{49}$ _____

Add or multiply.

24.
$$\begin{array}{r} 7,919 \\ \times 4 \\ \hline \end{array}$$

25.
$$\begin{array}{r} 4,111 \\ + 16 \\ \hline \end{array}$$

26.
$$\begin{array}{r} 3,219 \\ + 1,808 \\ \hline \end{array}$$

27.
$$\begin{array}{r} 6,425 \\ \times 9 \\ \hline \end{array}$$

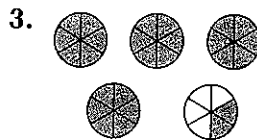
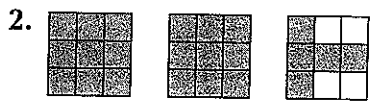
Mixed Numbers

Vocabulary

Fill in the blank.

1. A _____ is made up of a whole number and a fraction.

Write a mixed number for each picture.



Rename each fraction as a mixed number. You may wish to draw a picture.

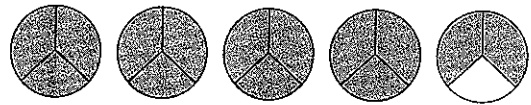
5. $\frac{16}{3}$ _____

6. $\frac{9}{2}$ _____

7. $\frac{17}{6}$ _____

8. $\frac{13}{4}$ _____

For Exercises 9–11, use the figures at the right.



9. How many whole figures are shaded?
Write an expression for the shaded part in the last figure.

10. How can you change the model to show 5 wholes?

11. What fraction and mixed number can you write for the shaded parts of the figures? _____

Mixed Review

12. $4 \times 4 =$ _____

13. $9 \times 5 =$ _____

14. $8 \times 7 =$ _____

15. $24 \times 1 =$ _____

16. $48 \div 12 =$ _____

17. $66 \div 11 =$ _____

18. $72 \div 9 =$ _____

19. $121 \div 11 =$ _____

Subtract DecimalsFind the difference. Estimate to check. *Please do even numbers.*

1.
$$\begin{array}{r} 0.9 \\ - 0.2 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 0.64 \\ - 0.34 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 1.8 \\ - 0.3 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 41.526 \\ - 32.619 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 1.25 \\ - 0.76 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 1.00 \\ - 0.56 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 1.62 \\ - 0.73 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 17.62 \\ - 9.28 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 1.214 \\ - 0.478 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 76.43 \\ - 34.58 \\ \hline \end{array}$$

11. $4.80 - 0.62$

12. $5.99 - 1.03$

13. $20.854 - 11.708$

14. $13.392 - 12.365$

For 15–18, write the missing digits.

15. $4.\underline{\quad} - \underline{\quad}.6 = 2.7$

16. $3.\underline{\quad}.5 - \underline{\quad}2.8 = 18.7$

17. $1.\underline{\quad}.3 - 8.\underline{\quad} = 6.4$

18. $\underline{\quad}9.2 - \underline{\quad}.4 = 11.8$

Mixed Review

19. What fraction is equivalent to 9.40?

20. Joan's older sister is 1.65 meters tall. Joan is 1.26 meters tall. How much taller is her sister?

21.
$$\begin{array}{r} 2,875 \\ \times 30 \\ \hline \end{array}$$

22.
$$\begin{array}{r} 7,891 \\ + 9,415 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 62,730 \\ - 59,881 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 14,962 \\ + 29,037 \\ \hline \end{array}$$

Add and Subtract Decimals

Find the sum or difference. Estimate to check.

Please do even numbers.

1.
$$\begin{array}{r} 4.90 \\ + 3.41 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 5.20 \\ - 3.45 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 5.00 \\ - 2.49 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 3.50 \\ + 4.62 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 35.91 \\ + 4.00 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 6.90 \\ - 3.81 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 10 \\ - 4.632 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 2.60 \\ + 1.75 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 5.428 \\ + 1.735 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 7.18 \\ + 2.49 \\ \hline \end{array}$$

11. $\$5.98 - \0.50

12. $35.846 - 4.9$

13. $12 - 5.913$

Find the missing number.

14. $3.62 - \blacksquare = 1.5$

15. $4.96 - 1.2 = \blacksquare$

16. $\blacksquare + 0.29 = 3.81$

Mixed Review

17. Sylvia ran 50 meters in 9.62 seconds. Linda finished 0.35 seconds later. Ramie's time was 0.09 seconds more than Linda's. What was Linda's time? Ramie's?

18. Henry bought radish, tomato, and pumpkin seed packages. The radish and tomato seed packages were \$0.89 each. The pumpkin seed packages were \$1.25 each. How many packages of each kind of seed did he buy if he spent \$4.28 in all?

Multiply each number by 7...

19. 4

20. 64

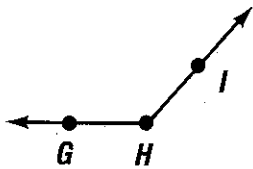
21. 349

Name _____

ANGLES

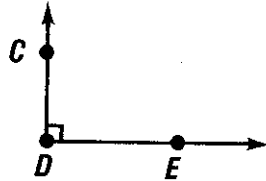
Write the name of the angle. Tell if it is a right angle. If not, write *more* or *less*.

1.

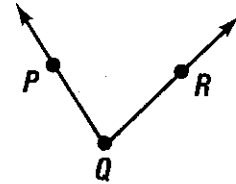


$\angle GHI$; more

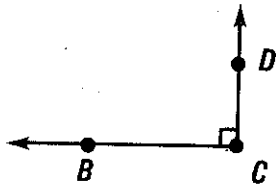
2.



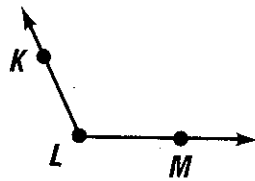
3.



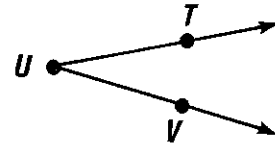
4.



5.



6.



Use the figure to answer the problem.

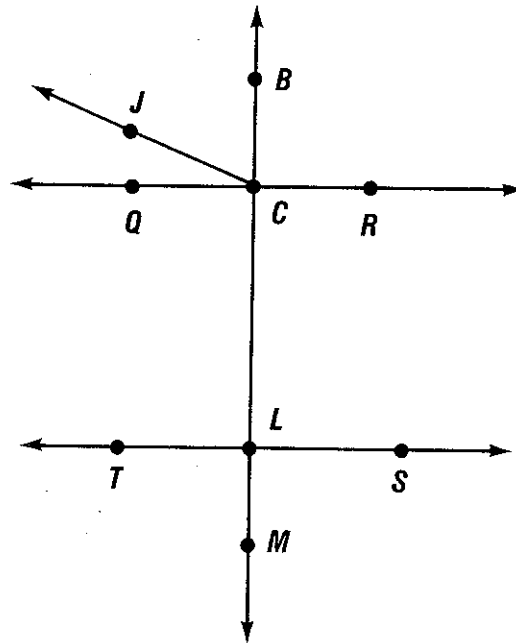
7. Name a pair of perpendicular lines.

8. Name a pair of parallel lines.

9. How many right angles have point C as a vertex? Name one.

10. Name an angle with vertex C that is less than a right angle.

11. Name an angle with vertex C that is more than a right angle.



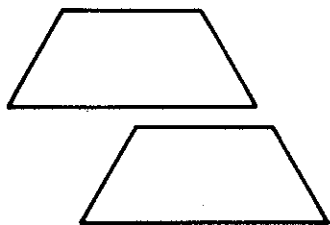
MACMILLAN/MCGRAW-HILL

Name _____

SLIDES, FLIPS, AND TURNS

Write *slide*, *flip*, or *turn* to tell how the figure was moved.

1.



slide

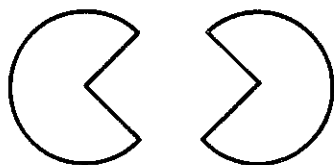
2.



3.



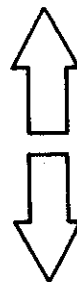
4.



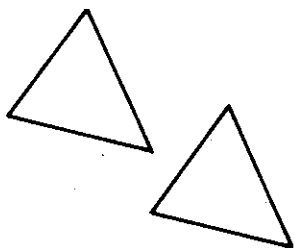
5.



6.



7.



8.



9.



10.



11.



12.

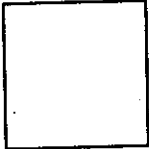



Name _____

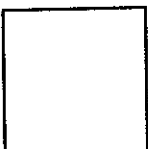
PERIMETER AND AREA


Perimeter = side + side + side + side
Area = length x width

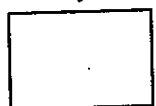
Find the perimeter and area.

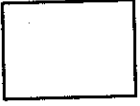
1.  perimeter = _____
 area = _____

2.  perimeter = _____
 area = _____

3.  perimeter = _____
 area = _____

4.  perimeter = _____
 area = _____

5.  perimeter = _____
 area = _____


6.  perimeter = _____
 area = _____

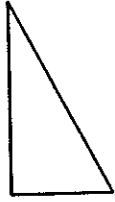
7. length = 9 in.
 width = 4 in.
 perimeter = _____
 area = _____

8. length = 3 yd
 width = 6 yd
 perimeter = _____
 area = _____

9. length = 5 ft
 width = 8 ft
 perimeter = _____
 area = _____

Find the missing length.

10.  perimeter = 30 ft

11.  perimeter = 36 in.

Name _____

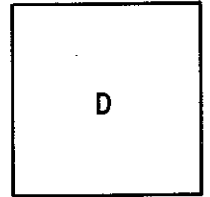
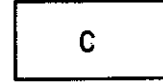
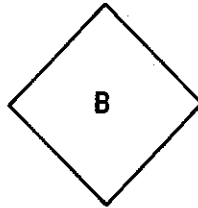
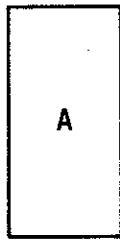
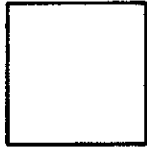
CONGRUENCE AND SIMILARITY

Congruent shapes have exactly the same shape and size.

Similar shapes have the same shape but are larger or smaller (different size).

Tell which figure is congruent and which is similar.

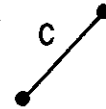
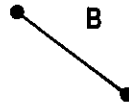
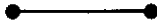
1.



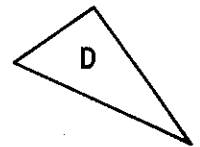
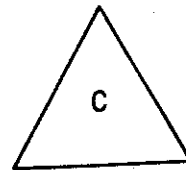
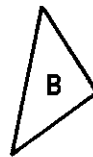
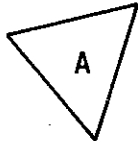
congruent

similar

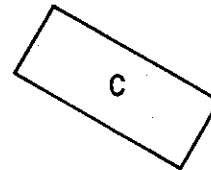
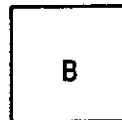
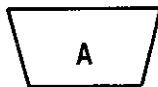
2.



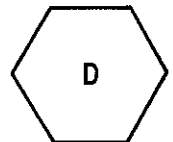
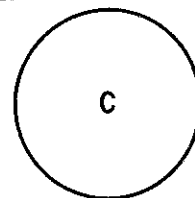
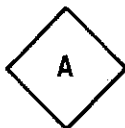
3.



4.



5.



MACMILLAN/MCGRAW-HILL

Add and Subtract Decimals*Even Numbers Only.*Find the sum or difference. ~~Estimate to check.~~

1.
$$\begin{array}{r} 4.90 \\ + 3.41 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 5.20 \\ - 3.45 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 5.00 \\ - 2.49 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 3.50 \\ + 4.62 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 35.91 \\ + 4.00 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 6.90 \\ - 3.81 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 10 \\ - 4.632 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 2.60 \\ + 1.75 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 5.428 \\ + 1.735 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 7.18 \\ + 2.49 \\ \hline \end{array}$$

11. $\$5.98 - \0.50

12. $35.846 - 4.9$

13. $12 - 5.913$

Find the missing number.

14. $3.62 - \blacksquare = 1.5$

15. $4.96 - 1.2 = \blacksquare$

16. $\blacksquare + 0.29 = 3.81$

Mixed Review

17. Sylvia ran 50 meters in 9.62 seconds. Linda finished 0.35 seconds later. Ramie's time was 0.09 seconds more than Linda's. What was Linda's time? Ramie's?

18. Henry bought radish, tomato, and pumpkin seed packages. The radish and tomato seed packages were \$0.89 each. The pumpkin seed packages were \$1.25 each. How many packages of each kind of seed did he buy if he spent \$4.28 in all?

Multiply each number by 7.

19. 4

20. 64

21. 349

Subtract Decimals*Even Numbers Only.*Find the difference. ~~Estimate to check.~~

1.
$$\begin{array}{r} 0.9 \\ - 0.2 \\ \hline \end{array}$$

2.
$$\begin{array}{r} 0.64 \\ - 0.34 \\ \hline \end{array}$$

3.
$$\begin{array}{r} 1.8 \\ - 0.3 \\ \hline \end{array}$$

4.
$$\begin{array}{r} 41.526 \\ - 32.619 \\ \hline \end{array}$$

5.
$$\begin{array}{r} 1.25 \\ - 0.76 \\ \hline \end{array}$$

6.
$$\begin{array}{r} 1.00 \\ - 0.56 \\ \hline \end{array}$$

7.
$$\begin{array}{r} 1.62 \\ - 0.73 \\ \hline \end{array}$$

8.
$$\begin{array}{r} 17.62 \\ - 9.28 \\ \hline \end{array}$$

9.
$$\begin{array}{r} 1.214 \\ - 0.478 \\ \hline \end{array}$$

10.
$$\begin{array}{r} 76.43 \\ - 34.58 \\ \hline \end{array}$$

11. $4.80 - 0.62$

12. $5.99 - 1.03$

13. $20.854 - 11.708$

14. $13.392 - 12.365$

For 15–18, write the missing digits.

15. $4.\underline{\quad} - \underline{\quad}.6 = 2.7$

16. $3\underline{\quad}.5 - \underline{\quad}2.8 = 18.7$

17. $1\underline{\quad}.3 - 8.\underline{\quad} = 6.4$

18. $\underline{\quad}9.2 - \underline{\quad}.4 = 11.8$

Mixed Review

19. What fraction is equivalent to 9.40?

20. Joan's older sister is 1.65 meters tall. Joan is 1.26 meters tall. How much taller is her sister?

21.
$$\begin{array}{r} 2,875 \\ \times 30 \\ \hline \end{array}$$

22.
$$\begin{array}{r} 7,891 \\ + 9,415 \\ \hline \end{array}$$

23.
$$\begin{array}{r} 62,730 \\ - 59,881 \\ \hline \end{array}$$

24.
$$\begin{array}{r} 14,962 \\ + 29,037 \\ \hline \end{array}$$