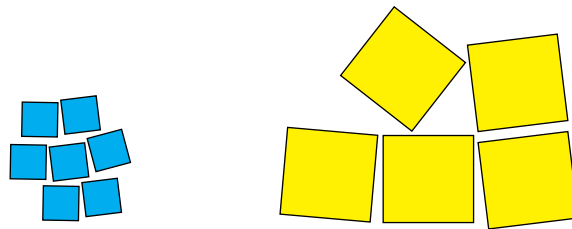


Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. Circle the group that has more squares.



2. How many more squares are in the larger group? \_\_\_\_\_

3. How many squares do you need so they have the same number? \_\_\_\_\_

4. What number is next in the pattern 3, 4, 5? \_\_\_\_\_

5. What number is next in the pattern 27, 28, 29? \_\_\_\_\_

6. Which is less: 9 or 6? \_\_\_\_\_

7. Write the two numbers that come after 19. \_\_\_\_\_

8. Write the two numbers that come after 38. \_\_\_\_\_

9–11. Add.

$$4 + 3 = \underline{\hspace{2cm}}$$

$$3 + 6 = \underline{\hspace{2cm}}$$

$$4 + 5 = \underline{\hspace{2cm}}$$

15–17. Subtract.

$$8 - 3 = \underline{\hspace{2cm}}$$

$$5 - 2 = \underline{\hspace{2cm}}$$

$$10 - 4 = \underline{\hspace{2cm}}$$

12–14. Add.

$$4 + \underline{\hspace{1cm}} = 10$$

$$2 + \underline{\hspace{1cm}} = 10$$

$$7 + \underline{\hspace{1cm}} = 10$$

18. What is 10 plus 4? \_\_\_\_\_

19. What is 30 + 5? \_\_\_\_\_

20.  $47 = 40 + \underline{\hspace{2cm}}$

21.  $16 = 10 + \underline{\hspace{2cm}}$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1–4. Write  $<$ ,  $>$ , or  $=$  in the circles.

$5 + 9 \bigcirc 8 + 8$

$7 + 8 \bigcirc 8 + 7$

$1 + 90 \bigcirc 19$

$100 + 1 \bigcirc 110$

8–10. Subtract.

$80 - 79 = \underline{\hspace{2cm}}$

$16 - 13 = \underline{\hspace{2cm}}$

$36 - 26 = \underline{\hspace{2cm}}$

5–7. Add.

$56 + 6 = \underline{\hspace{2cm}}$

$85 + 8 = \underline{\hspace{2cm}}$

$88 + 9 = \underline{\hspace{2cm}}$

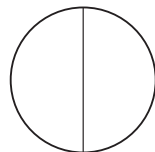
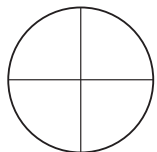
11–13. Add.

$73 + 15 = \underline{\hspace{2cm}}$

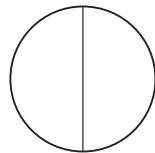
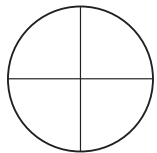
$39 + 46 = \underline{\hspace{2cm}}$

$58 + 37 = \underline{\hspace{2cm}}$

14. Draw a line under the circle that is only divided in half.



15. Draw a line under the circle that is divided into fourths.



16. How many halves are in a whole? \_\_\_\_\_

17. How many fourths are in a half? \_\_\_\_\_

18. How many hundreds in 367? \_\_\_\_\_

19. How many tens in 482? \_\_\_\_\_

20. How many ones in 426? \_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1. How many digits are needed after the six to write six hundred? \_\_\_\_\_

2. How many digits are needed after the six to write sixty? \_\_\_\_\_

3. Count by 5s starting at 5.

5    \_\_\_\_\_

4. Count by 5s starting at 85.

85    \_\_\_\_\_

5. Count by 10s starting at 280.

280    \_\_\_\_\_

6. Count by 100s starting at 100.

100    \_\_\_\_\_

7–9. Write  $<$ ,  $>$ , or  $=$  in the circles.

$$611 + 100 \bigcirc 611 + 10$$

$$89 + 63 \bigcirc 100 + 73$$

$$250 + 10 \bigcirc 9 + 251$$

10–13. Write  $<$ ,  $>$ , or  $=$  in the circles.

$$9 - 6 \bigcirc 10 - 7$$

$$8 - 6 \bigcirc 7 - 5$$

$$13 - 5 \bigcirc 13 - 6$$

$$9 - 8 \bigcirc 0 + 6$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

14–17. Add.

$$13 + 11 + 37 + 15 = \underline{\hspace{2cm}}$$

$$54 + 37 + 18 + 25 = \underline{\hspace{2cm}}$$

$$71 + 52 + 70 + 32 = \underline{\hspace{2cm}}$$

$$4\frac{1}{2} + 2\frac{1}{2} = \underline{\hspace{2cm}}$$

18–21. Add or subtract.

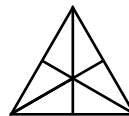
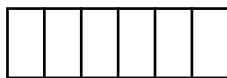
$$\begin{array}{r} 2964 \\ +5342 \\ \hline \end{array}$$

$$\begin{array}{r} 9778 \\ +1318 \\ \hline \end{array}$$

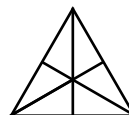
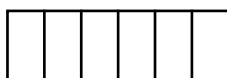
$$\begin{array}{r} 6829 \\ -2637 \\ \hline \end{array}$$

$$\begin{array}{r} 7094 \\ -3528 \\ \hline \end{array}$$

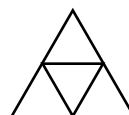
22. Circle  $\frac{1}{2}$  of each figure.



23. Circle  $\frac{1}{3}$  of each figure.



24. Circle  $\frac{1}{4}$  of each figure.



Name: \_\_\_\_\_

Date: \_\_\_\_\_

1–6. Solve.

$$6 \times 4 = \underline{\hspace{2cm}}$$

$$7 \times 10 = \underline{\hspace{2cm}}$$

$$6 \times 6 = \underline{\hspace{2cm}}$$

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

$$9 \times 9 = \underline{\hspace{2cm}}$$

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

7–9. Solve.

$$99 + 35 = \underline{\hspace{2cm}}$$

$$81 - 56 = \underline{\hspace{2cm}}$$

$$12 \times 4 = \underline{\hspace{2cm}}$$

10–12. Solve.

$$36 \div 4 = \underline{\hspace{2cm}}$$

$$\frac{72}{9} = \underline{\hspace{2cm}}$$

$$5 \overline{)55} = \underline{\hspace{2cm}}$$

13–16. Solve.

$$693 + 5679 + 9650 = \underline{\hspace{2cm}}$$

$$48,537 - 9,654 = \underline{\hspace{2cm}}$$

$$685 \times 7 = \underline{\hspace{2cm}}$$

$$7 \div 2 = \underline{\hspace{2cm}}$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

17. How much is half of  $10\frac{1}{2}$  inches? \_\_\_\_\_

18. How much money is four quarters of a dollar? \_\_\_\_\_

19. How many minutes are in three quarters of an hour? \_\_\_\_\_

20–21. Solve.

$$\frac{3}{4} + \underline{\quad} = 1$$

$$\frac{3}{5} + \underline{\quad} = 1$$

22–23. Solve.

$$\$17.89 + \$9.37 = \underline{\hspace{2cm}}$$

$$\$9.65 + \$16.75 = \underline{\hspace{2cm}}$$

24. Jan and Jay are buying trees to plant. Each tree costs \$3.89.  
How much will five trees cost? \_\_\_\_\_

25. Jan and Jay plant five trees. Each tree takes them a quarter of an hour  
to plant. If they start at 9:15, what time will they finish planting?

\_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

1–8. Draw lines to match the left column with the right column.

38 thousand 38	38,038
three hundred and eight	38
three and eight tenths	0.38
three-eighths	$\frac{3}{8}$
thirty-eight hundred	308
three hundred eighty	3.8
thirty-eight	3800
38 hundredths	380

9–11. Multiply.

$$608 \times 45 = \underline{\hspace{2cm}}$$

$$7183 \times 76 = \underline{\hspace{2cm}}$$

$$718.3 \times 76 = \underline{\hspace{2cm}}$$

12–13. Divide.

$$7 \overline{)52524}$$

$$4 \overline{)39012}$$

14. Circle the correct equations.

$$4 \times 9 = 36 \quad \sqrt{4} = (9 + 3) \div 6 \quad \sqrt{4} \times \sqrt{9} = \sqrt{36} \quad 4 = 9 - 3 - 6$$

15.  $\frac{574 + 574 + 574 + 574}{4} = \underline{\hspace{2cm}}$

16.  $8945 - 853 + 853 + 5 = \underline{\hspace{2cm}}$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

17.  $24.84 + 7.3 =$  \_\_\_\_\_

18.  $10 - 4.5 =$  \_\_\_\_\_

19–28. Write  $<$ ,  $>$ , or  $=$  in the circles.

99 million  9,900,000

$\frac{3}{12}$    $\frac{3}{11}$

$\frac{7}{15}$    $\frac{9}{15}$

1  .98

70%   $\frac{3}{4}$

$56 \times (9 + 1.8)$    $(56 \times 9) + (56 \times 1.8)$

$10 \times .78$   10

Average of 20, 21, 24  20

10%  .1

$2^3$   8

29–33. Complete the equations.

$\frac{2}{5} + \frac{1}{5} + \underline{\hspace{1cm}} = 1$

$\frac{3}{8} + \frac{1}{2} + \underline{\hspace{1cm}} = 1\frac{1}{8}$

$2 - \underline{\hspace{1cm}} = \frac{1}{6}$

$6 \times \underline{\hspace{1cm}} = 3$

$5 \div \underline{\hspace{1cm}} = 2.5$

34. Factor 36 into prime numbers. \_\_\_\_\_

35. A class of 26 children are going on a field trip. Six children will fit in a van. How many vans are needed? \_\_\_\_\_



Name: \_\_\_\_\_

Date: \_\_\_\_\_

1–12. Do the calculations. Use the space below for your work.

$a$	$b$	Add $a + b$	Subtract $a - b$	Multiply $a \times b$	Divide $a \div b$
$\frac{2}{3}$	$\frac{1}{3}$				
$\frac{3}{4}$	$\frac{1}{2}$				
$2\frac{1}{4}$	$1\frac{3}{8}$				

13–20. Do the calculations. Use the space below for your work.

$a$	$b$	Add $a + b$	Subtract $a - b$	Multiply $a \times b$	Divide $a \div b$
4.2	0.6				
593.1	0.45				

Name: \_\_\_\_\_

Date: \_\_\_\_\_

21-26. Write the answer.

$4^2 = \underline{\hspace{2cm}}$

$10^2 = \underline{\hspace{2cm}}$

$3^3 = \underline{\hspace{2cm}}$

$8^2 = \underline{\hspace{2cm}}$

$2^5 = \underline{\hspace{2cm}}$

$6^2 = \underline{\hspace{2cm}}$

27-30. Match the square root with its approximate value.

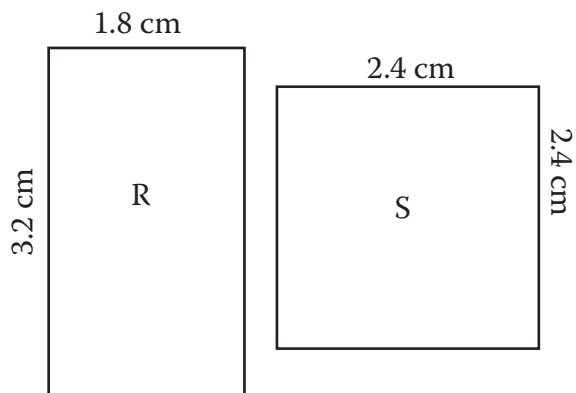
$\sqrt{76}$                       4.1

$\sqrt{17}$                         6.2

$\sqrt{39}$                         8.7

$\sqrt{11}$                          3.3

31-32. Which rectangle has the greater area? Which rectangle has the greater perimeter?



33. This square has an area of 49 yd<sup>2</sup>. If Percy and Priscilla walk around the square, how far would they walk?



### Answers for Placement Test A

1. Group of 7 on the left.
2. 2
3. 2
4. 6
5. 30
6. 6
7. 20, 21
8. 39, 40
9. 7
10. 9
11. 9
12. 6
13. 8
14. 3
15. 5
16. 3
17. 6
18. 14
19. 35
20. 7
21. 6

*If a child gets 5 or more wrong, they need to be in RightStart Mathematics Kindergarten.*

### Answers for Placement Test B

1. <
2. =
3. >
4. <
5. 62
6. 93
7. 97
8. 1
9. 3
10. 10
11. 88
12. 85
13. 95
14. Second figure is underlined.
15. First figure is underlined.
16. 2
17. 2
18. 3
19. 8 or 48
20. 6 or 426

*If a child gets 5 or more wrong, they need to be in RightStart Mathematics First Grade.*

### Answers for Placement Test C

1. 2
2. 1
3. 5, 10, 15, 20, 25
4. 85, 90, 95, 100, 105
5. 280, 290, 300, 310, 320
6. 100, 200, 300, 400, 500
7. >
8. <
9. =
10. =
11. =
12. >
13. <
14. 76
15. 134
16. 225

17. 7
18. 8306
19. 11,096
20. 4192
21. 3566
22. Answers may vary.



23. Answers may vary.



24. Answers may vary.



*If a child gets 6 or more wrong, they need to be in RightStart Mathematics Second Grade.*

**Answers for Placement Test D**

1. 24
2. 70
3. 36
4. 24
5. 81
6. 14
7. 134
8. 25
9. 48
10. 9
11. 8
12. 11
13. 16,022
14. 38,883
15. 4795
16.  $3\frac{1}{2}$
17.  $5\frac{1}{4}$
18. \$1.00
19. 45 minutes
20.  $\frac{1}{4}$
21.  $\frac{2}{5}$
22. \$27.26
23. \$26.40
24. \$19.45
25. 10:30

*If a child gets 6 or more wrong, they need to be in RightStart Mathematics Third Grade.*

**Answers for Placement Test E**

1. 38 thousand 38 ————— 38,038
- three hundred and eight ————— 38
- three and eight tenths ————— 0.38
- three-eighths —————  $\frac{3}{8}$
- thirty-eight hundred ————— 308
- three hundred eighty ————— 3.8
- thirty-eight ————— 3800
- 38 hundredths ————— 380
9. 27,360
10. 545,908
11. 54,590.8
12. 7503 r3
13. 9753
14. All but 4 = 9 – 3 – 6 are circled.
15. 574
16. 8950
17. 32.14
18. 5.5
19. >
20. <
21. <
22. >
23. <
24. =
25. <
26. >
27. =
28. =
29.  $\frac{2}{5}$
30.  $\frac{2}{8}$  or  $\frac{1}{4}$
31.  $1\frac{5}{6}$
32.  $\frac{1}{2}$
33. 2
34.  $2 \times 2 \times 3 \times 3$  or  $2^2 \times 3^2$
35. 5 vans

*If a child gets 8 or more wrong, they need to be in RightStart Mathematics Fourth Grade.*

## Answers for Placement Test F

1. 1
2.  $\frac{1}{3}$
3.  $\frac{2}{9}$
4. 2
5.  $1\frac{1}{4}$  or  $\frac{5}{4}$
6.  $\frac{1}{4}$
7.  $\frac{3}{8}$
8.  $\frac{3}{2}$  or  $1\frac{1}{2}$
9.  $3\frac{5}{8}$
10.  $\frac{7}{8}$
11.  $3\frac{3}{32}$
12.  $1\frac{7}{11}$  or  $\frac{18}{11}$
13. 4.8
14. 3.6
15. 2.52
16. 7
17. 593.55
18. 592.65
19. 266.895
20. 1318
21. 16
22. 100
23. 27
24. 64
25. 32
26. 36
27.  $\sqrt{76}$  — 4.1
28.  $\sqrt{17}$  — 6.2
29.  $\sqrt{39}$  — 8.7
30.  $\sqrt{11}$  — 3.3
31.  $A(R) = 5.76 \text{ cm}^2$  and  $A(S) = 5.76 \text{ cm}^2$ ; they are the same
32.  $P(R) = 10 \text{ cm}$  and  $P(S) = 9.6 \text{ cm}$ ; the rectangle has a greater perimeter
33. 28 yds

*If a child gets 7 or more wrong, they need to be in RightStart Mathematics Fifth Grade.*

*If a child completes these questions satisfactorily, they are ready for RightStart Mathematics Sixth Grade, followed by Seventh Grade.*