# Is my child ready for Level 1?

If your child can correctly answer 80% or more of the questions on this test, then he or she is most likely ready for Level 1. If not, consider reviewing several of the missed concepts first.

1. Count to 100.

2. Name each numeral.

|						
0	3	19	2	4	7	9
15	18	11	1	5	10	6

3. Name each shape.

_____   _____

_____   _____
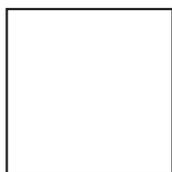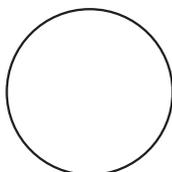
4. Match each numeral on the left to the same amount on the right.

3

5

7

1

0

10

4

2

Is my child ready for Level 2?

If your child can correctly answer 80% or more of the questions on this test, then he or she is most likely ready for Level 2. If not, consider reviewing several of the missed concepts first or starting with Level 1.

1. Count to 120.

2. Find each sum.

a. $3 + 3 = $ _____

b. $4 + 5 = $ _____

c. $7 + 3 = $ _____

d. $5 + 1 = $ _____

e. $0 + 9 = $ _____

f. $5 + 3 = $ _____

g. $7 + 8 = $ _____

h. $5 + 6 = $ _____

i.

Tens	Ones
3	3
+ 2	0

j.

Tens	Ones
4	1
+ 4	5

3. Find each difference.

a. $7 - 2 = $ _____

b. $11 - 0 = $ _____

c. $10 - 6 = $ _____

d. $5 - 1 = $ _____

e. $19 - 9 = $ _____

f. $13 - 5 = $ _____

4. There are 9 books on a shelf and then 3 are knocked off. How many books are left on the shelf?

5. At the park, 5 kids are playing. Then, 4 more join them. How many kids are playing at the park in total?

6. Write the correct time below each clock.

7. Look at the picture on the right. Each time you see an image, make a tally mark on the chart on the left. Then, use the recorded data to create a bar graph.

Tally Chart

Spring Items Search and Find

Number of Items Counted

Pumpkin   Acorn   Leaf   Apple   Corn

8. Use the picture graph to answer the questions.

Favorite Fall Activity	
Jumping in leaf piles	🙂 🙂 🙂
Hiking	🙂 🙂
Sitting around a campfire	🙂 🙂 🙂 🙂 🙂 🙂
Playing soccer	🙂 🙂 🙂 🙂 🙂 🙂 🙂
Picking apples	🙂 🙂 🙂

Key
Each 🙂 stands for one child.
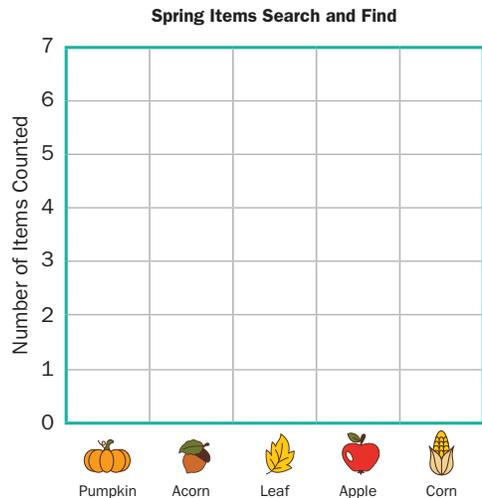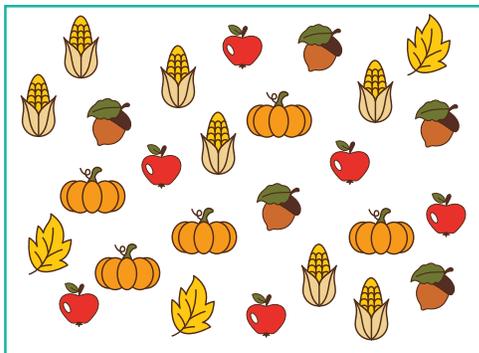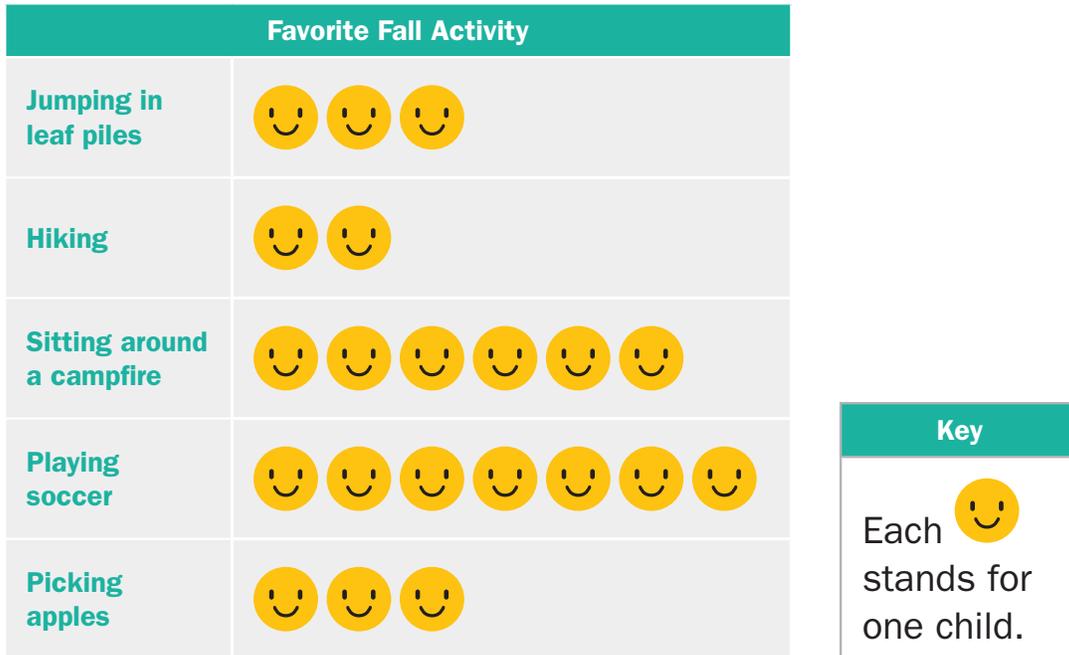
The most popular fall activity was _____ .

How many kids said they liked picking apples? _____

9. Find an example of each of these shapes: sphere, cylinder, cone, cube, and rectangular prism.

Is my child ready for Level 3?

If your child can correctly answer 80% or more of the questions on this test, then he or she is most likely ready for Level 3. If not, consider reviewing several missed concepts first or starting with Level 2.

1. Skip count by 2's from 2 to 30. Skip count by 5's from 5 to 50. Skip count by 10's from 10 to 100.

2. Circle all the even numbers.

5   12   13   15   2   10   20   1

3. Circle the value of the red digit.

3**5**2	**6**70	9**1**5
500 50 5	600 60 6	100 10 1

4. Compare each set of numbers. Write >, <, or =.

a. 58 ◯ 53   b. 651 ◯ 651

c. 24 ◯ 42   d. 407 ◯ 412

5. Find each sum.

a.
$$26$$
$$+\ 42$$

b.
$$32$$
$$+\ 56$$

c.
$$69$$
$$+\ 23$$

d.
$$29$$
$$+\ 27$$

e.
$$704$$
$$+\ 233$$

f.
$$283$$
$$+\ 546$$

6. Find each difference.

a.
$$58$$
$$-\ 23$$

b.
$$95$$
$$-\ 24$$

c.
$$43$$
$$-\ 23$$

d.
$$92$$
$$-\ 34$$

e.
$$987$$
$$-\ 386$$

f.
$$605$$
$$-\ 177$$

7. On the first night of a camping trip, Sophia gathered 35 sticks for the campfire. On the second night it was harder to find sticks, and she only gathered 17. How many sticks did she gather altogether?

8. We checked out 36 books from the library. Ten of them are board books and the rest are picture books. How many are picture books?

9. Count up the coins and write the total.
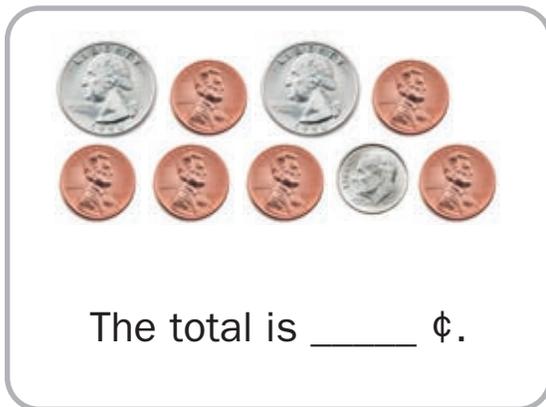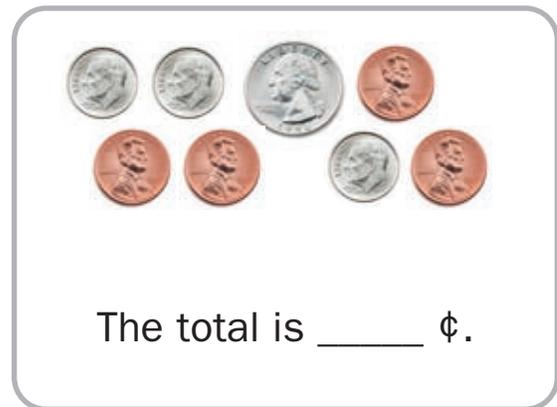
The total is _____ ¢.

The total is _____ ¢.

10. Write the number of sides each shape has.

a. A triangle has _____ sides.

b. A pentagon has _____ sides.

c. A quadrilateral has _____ sides.

d. A hexagon has _____ sides.

Is my child ready for Level 4?

If your child can correctly answer 80% or more of the questions on this test, then he or she is most likely ready for Level 4. If not, consider reviewing several of the missed concepts first or starting with Level 3.

1. Round each number to the nearest ten.

   a. 56 _____

   b. 453 _____

2. Compare each set of numbers. Write >, <, or =.

   a. 143 ◯ 134

   b. 509 ◯ 478

3. Find each product.

   a. 0 x 5 = _____

   d. 3 x 4 = _____

   b. 2 x 6 = _____

   e. 10 x 2 = _____

   c. 7 x 1 = _____

   f. 2 x 3 = _____

4. Which fact has the same product as 5×6?

 a. 7×4 c. 6×4

 b. 6×5 d. 10×2

5. Find each quotient.

 a. $14 \div 2 =$ c. $20 \div 5 =$

 b. $40 \div 10 =$ d. $15 \div 3 =$

6. Use the bar graph to answer the questions.

 a. How many people chose dinner as their favorite meal?

 b. How many people chose snack?

 c. How many more people chose lunch than breakfast?
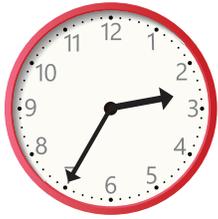
Favorite Meal of the Day

7. Write the correct time below each clock.

8. Compare each set of fractions. Write >, <, or =.

a. $\dfrac{1}{8}$ ◯ $\dfrac{1}{10}$

b. $\dfrac{1}{4}$ ◯ $\dfrac{1}{4}$

c. $\dfrac{3}{10}$ ◯ $\dfrac{3}{8}$

d. $\dfrac{1}{4}$ ◯ $\dfrac{2}{8}$

9. Find the perimeter and the area of the rectangle.

Perimeter: _____ meters

Area: _____ square meters

10m

3m   3m

10m
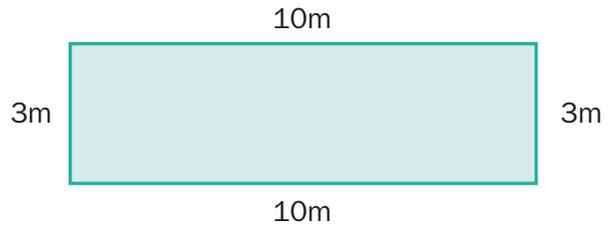
10. Classify each angle as acute, right, or obtuse.

_____   _____   _____

Is my child ready for Level 5?

If your child can correctly answer 80% or more of the questions on this test, then he or she is most likely ready for Level 5. If not, consider reviewing several of the missed concepts first or starting with Level 4.

1. Write the value of the underlined digit.

a. 1<u>7</u>,856 _____

b. <u>1</u>,800,003 _____

2. Write the number in expanded form and word form.

a. 1,700 _____

_____

b. 453 _____

_____

3. Find the sum or difference.

a.   83,917

    + 15,569

b.   711,505

    − 120,371

4. Find the product or quotient.

a. $7 \times 8 =$ _____

d. $8 \times 5 =$ _____

b. $9 \times 4 =$ _____

e. $45 \div 9 =$ _____

c. $6 \times 7 =$ _____

f. $42 \div 7 =$ _____

5. Circle the number that is not a square number.

4   10   16   49

6. Find each product.

a.   67
         × 4

b.   45
       × 23

7. What is the difference between a rectangle and a parallelogram?

8. Write the number of degrees under each turn.

a.

b.

c.

_____ °   _____ °   _____ °
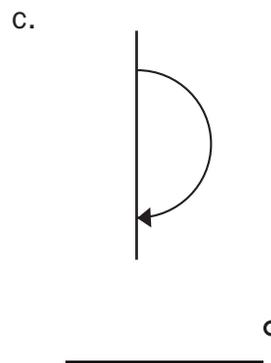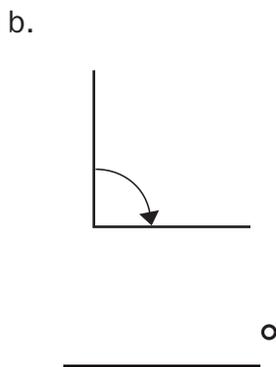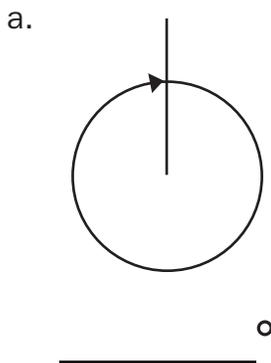
9. Find each quotient.

a. $6\overline{)21}$ b. $4\overline{)132}$ c. $7\overline{)225}$

10. List all the factors of 25. Is it prime or composite?

11. Find the sum or difference.

a. $\dfrac{1}{5} + \dfrac{3}{5} =$ b. $\dfrac{3}{4} - \dfrac{1}{8} =$

c. $1\dfrac{1}{8} + 2\dfrac{2}{8} =$ d. $3\dfrac{1}{4} - 1\dfrac{1}{2} =$

12. Write the decimal that is equal to 3 wholes, 9 tenths, and 1 hundredth.

Is my child ready for Level 6?

If your child can correctly answer 80% or more of the questions on this test, then he or she is most likely ready for Level 6. If not, consider reviewing several of the missed concepts first or starting with Level 5.

1. Evaluate each expression.

a. $6 + 9 \times 5 - 3$
b. $10 - 8 \div 2 + 4$

2. List all the factors of each number. Then, write whether it is prime or composite.

a. 36

b. 29

c. 15

3. Find each quotient.

a. $3 \overline{)918}$
b. $15 \overline{)307}$

4. Find the sum or difference. Simplify your answer.

a. $\dfrac{1}{5} + \dfrac{2}{5} =$

b. $\dfrac{1}{8} + \dfrac{1}{2} =$

c. $\dfrac{9}{10} - \dfrac{3}{10} =$

d. $\dfrac{3}{4} - \dfrac{1}{3} =$

e. $1\dfrac{1}{5} + 3\dfrac{7}{10} =$

f. $5\dfrac{4}{5} - 1\dfrac{2}{5} =$

5. Find each product or quotient.

a. $\dfrac{3}{5} \times 15 =$

b. $\dfrac{2}{9} \times \dfrac{3}{4} =$

c. $\dfrac{3}{4} \div 2 =$

d. $6 \div \dfrac{1}{4} =$

e. $\dfrac{1}{5} \times \dfrac{5}{8} =$

f. $\dfrac{2}{3} \times \dfrac{1}{2} =$

6. Find each sum or difference.

   a.   1.58
          + 1.61

   b.   4.98
          − 1.72

7. Find each product or quotient.

   a.   4.1
          × 1.3

   b.   1.9
          × 2.3

   c. $4.55 \div 10 =$

   d. $68 \div 1{,}000 =$

8. Find the volume of the figure.

_____ inches cubed

3 in

4 in   10 in
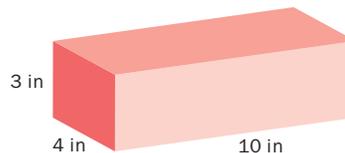
9. Classify the triangle according to its sides and angles.

_____

10. Write each percentage as a decimal and a simplified fraction.

   a.   41%

   b.   35%

LEVEL 1 & 2

APOLOGIA MATH PLACEMENT TESTS — LEVEL 1

Is my child ready for Level 1?

If your child can correctly answer 80% or more of the questions on this test, then he or she is most likely ready for Level 1. If not, consider reviewing several of the missed concepts first.

1. Count to 100.
Answered verbally.

2. Name each numeral.

0   3   19   2   4   7   9

15   18   11   1   5   10   6

Answered verbally.

3. Name each shape.

square   *rectangle*

circle   *triangle*

1

APOLOGIA MATH PLACEMENT TESTS — LEVEL 1

4. Match each numeral on the left to the same amount on the right.

3

5

7

1

0

10

4

2

2

APOLOGIA MATH PLACEMENT TESTS — LEVEL 2

Is my child ready for Level 2?

If your child can correctly answer 80% or more of the questions on this test, then he or she is most likely ready for Level 2. If not, consider reviewing several of the missed concepts first or starting with Level 1.

1. Count to 120.
Answered verbally.

2. Find each sum.

a. 3 + 3 = __6__

b. 4 + 5 = __9__

c. 7 + 3 = __10__

d. 5 + 1 = __6__

e. 0 + 9 = __9__

f. 5 + 3 = __8__

g. 7 + 8 = __15__

h. 5 + 6 = __11__

i.

Tens	Ones
3	3
+ 2	0
5	3

j.

Tens	Ones
4	1
+ 4	5
8	6

3. Find each difference.

a. 7 − 2 = __5__

b. 11 − 0 = __11__

c. 10 − 6 = __4__

d. 5 − 1 = __4__

e. 19 − 9 = __10__

f. 13 − 5 = __8__

3

APOLOGIA MATH PLACEMENT TESTS — LEVEL 2

4. There are 9 books on a shelf and then 3 are knocked off. How many books are left on the shelf?

9 − 3 = 6   6 are left

5. At the park, 5 are playing. Then, 4 more join them. How many kids are playing at the park in total?

5 + 4 = 9   9 kids total

6. Write the correct time below each clock.

7 : 00   3 : 30

7. Look at the picture on the right. Each time you see an image, make a tally mark on the chart on the left. Then, use the recorded data to create a bar graph.

4

LEVEL 2 & 3

APOLOGIA MATH PLACEMENT TESTS LEVEL 2

8. Use the picture graph to answer the questions.

The most popular fall activity was ___Playing soccer___.

How many kids said they liked picking apples? ___3___

9. Find an example of each of these shapes: sphere, cylinder, cone, cube, and rectangular prism.

Answers will vary.

5

APOLOGIA MATH PLACEMENT TESTS LEVEL 3

Is my child ready for Level 3?

If your child can correctly answer 80% or more of the questions on this test, then he or she is most likely ready for Level 3. If not, consider reviewing several missed concepts first or starting with Level 2.

1. Skip count by 2's from 2 to 30. Skip count by 5's from 5 to 50. Skip count by 10's from 10 to 100.

Answered verbally.

2. Circle all the even numbers.

5 (12) 13 15 (2) (10) (20) 1

3. Circle the value of the red digit.

352	670	915
500 (50) 5	(600) 60 6	100 (10) 1

4. Compare each set of numbers. Write >, <, or =.

a. 58 (>) 53   b. 651 (=) 651

c. 24 (<) 42   d. 407 (<) 412

6

APOLOGIA MATH PLACEMENT TESTS LEVEL 3

5. Find each sum.

a. 26
  + 42
  68

b. 32
  + 56
  88

c. 69
  + 23
  92

d. 29
  + 27
  56

e. 704
  + 233
  937

f. 283
  + 546
  829

6. Find each difference.

a. 58
  − 23
  35

b. 95
  − 24
  71

c. 43
  − 23
  20

d. 92
  − 34
  58

e. 987
  − 386
  601

f. 605
  − 177
  428

7. On the first night of a camping trip, Sophia gathered 35 sticks for the campfire. On the second night it was harder to find sticks, and she only gathered 17. How many sticks did she gather altogether?

  35
+ 17
  52   52 sticks altogether

7

APOLOGIA MATH PLACEMENT TESTS LEVEL 3

8. We checked out 36 books from the library. Ten of them are board books and the rest are picture books. How many are picture books?

  36
− 10
  26   26 are picture books

9. Count up the coins and write the total.

The total is _66_ ¢.

The total is _59_ ¢.

10. Write the number of sides each shape has.

a. A triangle has ___3___ sides.

b. A pentagon has ___5___ sides.

c. A quadrilateral has ___4___ sides.

d. A hexagon has ___6___ sides.

8

19

LEVEL 4 & 5

APOLOGIA MATH PLACEMENT TESTS — LEVEL 4

Is my child ready for Level 4?

If your child can correctly answer 80% or more of the questions on this test, then he or she is most likely ready for Level 4. If not, consider reviewing several of the missed concepts first or starting with Level 3.

1. Round each number to the nearest ten.

   a. 56 __60__   b. 453 __450__

2. Compare each set of numbers. Write >, <, or =.

   a. 143 (>) 134   b. 509 (>) 478

3. Find each product.

   a. 0 x 5 = __0__   d. 3 x 4 = __12__

   b. 2 x 6 = __12__   e. 10 x 2 = __20__

   c. 7 x 1 = __7__   f. 2 x 3 = __6__

9

APOLOGIA MATH PLACEMENT TESTS — LEVEL 4

4. Which fact has the same product as 5 × 6?

   a. 7 × 4   c. 6 × 4

   b. (6 × 5)   d. 10 × 2

5. Find each quotient.

   a. 14 ÷ 2 = 7   c. 20 ÷ 5 = 4

   b. 40 ÷ 10 = 4   d. 15 ÷ 3 = 5

6. Use the bar graph to answer the questions.

   a. How many people chose dinner as their favorite meal?
   10

   b. How many people chose snack?
   3

   c. How many more people chose lunch than breakfast?
   5 − 2 = 3

   Favorite Meal of the Day

10

APOLOGIA MATH PLACEMENT TESTS — LEVEL 4

7. Write the correct time below each clock.

   2:35   1:19   8:41

8. Compare each set of fractions. Write >, <, or =.

   a. $\frac{1}{8}$ (>) $\frac{1}{10}$ c. $\frac{3}{10}$ (<) $\frac{3}{8}$

   b. $\frac{1}{4}$ (=) $\frac{1}{4}$ d. $\frac{1}{4}$ (=) $\frac{2}{8}$

9. Find the perimeter and the area of the rectangle.

   Perimeter: __26__ meters

   Area: __30__ square meters

   10m / 3m / 3m / 10m

10. Classify each angle as acute, right, or obtuse.

    Right   Obtuse   Acute

11

APOLOGIA MATH PLACEMENT TESTS — LEVEL 5

Is my child ready for Level 5?

If your child can correctly answer 80% or more of the questions on this test, then he or she is most likely ready for Level 5. If not, consider reviewing several of the missed concepts first or starting with Level 4.

1. Write the value of the underlined digit.

   a. 17,856 __7,000__   b. 1,800,003 __1,000,000__

2. Write the number in expanded form and word form.

   a. 1,700 __1,000 + 700__
   __one thousand, seven hundred__

   b. 453 __400 + 50 + 3__
   __four hundred fifty-three__

3. Find the sum or difference.

   a. 83,917
      + 15,569
      99,486

   b. 711,505
      − 120,371
      591,134

4. Find the product or quotient.

   a. 7 × 8 = __56__   d. 8 × 5 = __40__

   b. 9 × 4 = __36__   e. 45 ÷ 9 = __5__

   c. 6 × 7 = __42__   f. 42 ÷ 7 = __6__

12

LEVEL 5 & 6

APOLOGIA MATH PLACEMENT TESTS **LEVEL 5**

5. Circle the number that is not a square number.

4 (10) 16 49

6. Find each product.

a.
$$\begin{array}{r} 67 \\ \times\, 4 \\ \hline 268 \end{array}$$

b.
$$\begin{array}{r} 45 \\ \times\, 23 \\ \hline 135 \\ +\, 900 \\ \hline 1{,}035 \end{array}$$

7. What is the difference between a rectangle and a parallelogram?

A rectangle has 4 right angles.

8. Write the number of degrees under each turn.

a. b. c.

<u>360</u> °   <u>90</u> °   <u>180</u> °

13

APOLOGIA MATH PLACEMENT TESTS **LEVEL 5**

9. Find each quotient.

a.
$$\begin{array}{r} 3\ r3 \\ 6\,)\overline{21} \\ -\,18 \\ \hline 3 \end{array}$$

b.
$$\begin{array}{r} 33 \\ 4\,)\overline{132} \\ -\,12 \\ \hline 12 \\ -\,12 \\ \hline 0 \end{array}$$

c.
$$\begin{array}{r} 32\ r.1 \\ 7\,)\overline{225} \\ -\,21 \\ \hline 15 \\ -\,14 \\ \hline 1 \end{array}$$

10. List all the factors of 25. Is it prime or composite?

1 × 25   Composite
5 × 5

11. Find the sum or difference.

a. $\frac{1}{5} + \frac{3}{5} = \frac{4}{5}$

b. $\frac{3}{4} - \frac{1}{8} = \frac{5}{8}$

c. $1\frac{1}{8} + 2\frac{2}{8} = 3\frac{3}{8}$
$1 + 2 = 3$
$\frac{1}{8} + \frac{2}{8} = \frac{3}{8}$

d. $3\frac{1}{4} - 1\frac{1}{2} = 1\frac{3}{4}$
$2\frac{5}{4} - 1\frac{2}{4} = 1\frac{3}{4}$

12. Write the decimal that is equal to 3 wholes, 9 tenths, and 1 hundredth.

3.91

14

APOLOGIA MATH PLACEMENT TESTS **LEVEL 6**

Is my child ready for Level 6?

If your child can correctly answer 80% or more of the questions on this test, then he or she is most likely ready for Level 6. If not, consider reviewing several of the missed concepts first or starting with Level 5.

1. Evaluate each expression.

a. $6 + 9 \times 5 - 3$
$6 + 45 - 3$
$51 - 3$
48

b. $10 - 8 \div 2 + 4$
$10 - 4 + 3$
$6 + 4$
10

2. List all the factors of each number. Then, write whether it is prime or composite.

a. 36
1 × 36
2 × 18
3 × 12
4 × 9
6 × 6
composite

b. 29
1 × 29
prime

c. 15
1 × 15
3 × 5

composite

3. Find each quotient.

a.
$$\begin{array}{r} 306 \\ 3\,)\overline{918} \\ -\,9 \\ \hline 01 \\ -\,0 \\ \hline 18 \\ -\,18 \\ \hline 0 \end{array}$$

b.
$$\begin{array}{r} 20\ r.7 \\ 15\,)\overline{307} \\ -\,30 \\ \hline 07 \\ -\,0 \\ \hline 7 \end{array}$$

15

APOLOGIA MATH PLACEMENT TESTS **LEVEL 6**

4. Find the sum or difference. Simplify your answer.

a. $\frac{1}{5} + \frac{2}{5} = \frac{3}{5}$

b. $\frac{1}{8} + \frac{1}{2} = \frac{5}{8}$

c. $\frac{9}{10} - \frac{3}{10} = \frac{6}{10} = \frac{3}{5}$

d. $\frac{3}{4} - \frac{1}{3} = \frac{5}{12}$
$\frac{9}{12} - \frac{4}{12} = \frac{5}{12}$

e. $1\frac{1}{5} + 3\frac{7}{10} = 4\frac{9}{10}$

f. $5\frac{4}{5} - 1\frac{2}{5} = 4\frac{2}{5}$

5. Find each product or quotient.

a. $\frac{3}{5} \times 15 = 9$
$\frac{45}{5} = 9$

b. $\frac{1}{3} \times \frac{1}{2} = \frac{1}{6}$

c. $\frac{3}{4} \div 2 = \frac{3}{8}$
$\frac{3}{4} \times \frac{1}{2} = \frac{3}{8}$

d. $6 \div \frac{1}{4} = 24$
$6 \times 4 = 24$

e. $\frac{1}{2} \times \frac{1}{4} = \frac{1}{8}$

f. $\frac{1}{3} \times \frac{1}{1} = \frac{1}{3}$

16

LEVEL 6

APOLOGIA MATH PLACEMENT TESTS · LEVEL 6

6. Find each sum or difference.

a. $\begin{array}{r} 1.58 \\ +\ 1.61 \\ \hline 3.19 \end{array}$

b. $\begin{array}{r} 4.98 \\ -\ 1.72 \\ \hline 3.26 \end{array}$

7. Find each product or quotient.

a. $\begin{array}{r} 4.1 \\ \times\ 1.3 \\ \hline 123 \\ +\ 410 \\ \hline 533 \end{array}$ 5.33

b. $\begin{array}{r} 1.9 \\ \times\ 2.3 \\ \hline 57 \\ +\ 380 \\ \hline 437 \end{array}$ 4.37

c. $4.55 \div 10 = 0.455$

d. $68 \div 1{,}000 = 0.068$

8. Find the volume of the figure.

120 inches cubed

9. Classify the triangle according to its sides and angles.

Scalene obtuse

10. Write each percentage as a decimal and a simplified fraction.

a. 41%

0.41 $\dfrac{41}{100}$

b. 35%

0.35 $\dfrac{35}{100} = \dfrac{7}{20}$

17