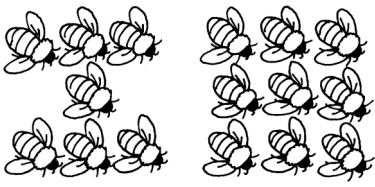# Placement Test for *Math in Focus* 1A

1.   How many bees are in each set? Write the numbers in the boxes.

a.

b.

2.   Write these as numbers.
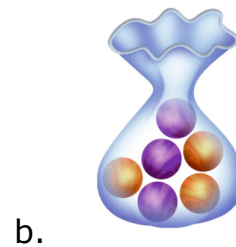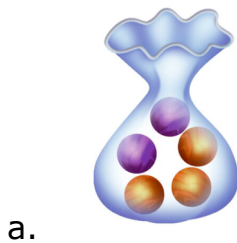
a. four _____

b. twenty _____

c. seven _____

d. eighteen _____

3.   Which bag has more marbles? Circle a or b.

a.

b.

4.   Fill in the missing numbers.

a.

7		5	4	

b.

	11	12		14

5. Write 3 more addition or subtraction sentences.

| 3 | + | 4 | = | 7 |

| | + | | = | |

| | - | | = | |

| | - | | = | |

6. 9, 4, and 5 make a number bond. 8, 0, and 8 make a number bond, too.

9 — 4 / 5

8 — 0 / 8
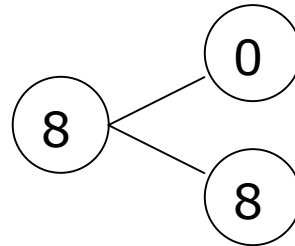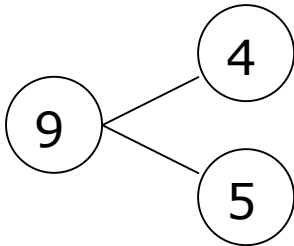
Write the missing number in each number bond:

a. ( ) — 5 / 2

b. ( ) — 6 / 3

c. 6 — 3 / ( )

d. 5 — 1 / ( )

7. Write the numbers to finish each story.

   a. Sam drank 2 glasses of water in the morning and 3 glasses in the afternoon. How many glasses of water did he drink?

   He drank _____ glasses of water.

   b. Lucy has 7 balloons. 3 of them are yellow. The rest are red. How many are red?

   _____ balloons are red.

   c. 4 frogs hopped away from Kevin and his friends. They now have only 5 frogs. How many frogs did they have at first?

   They had _____ frogs.

8. Fill in the blanks.

   a. $0 + 8 =$ _____   b. $6 + 1 =$ _____

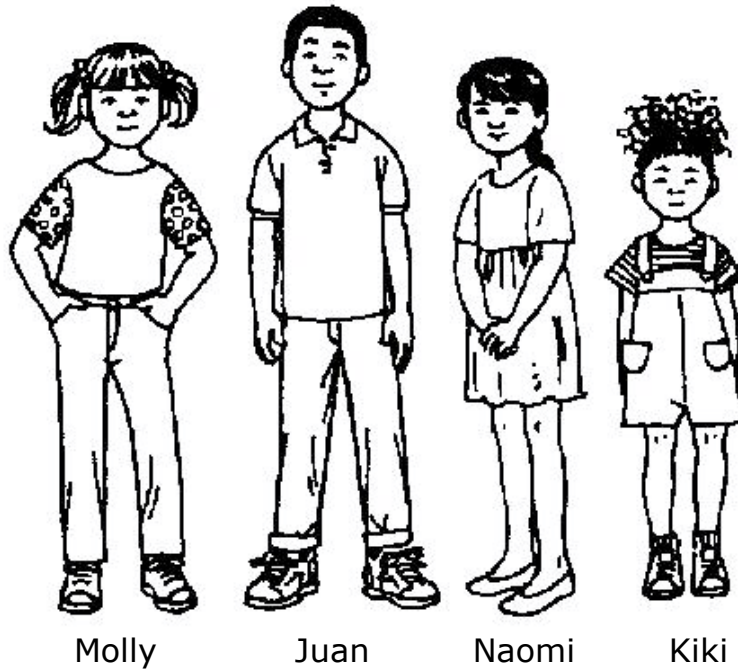   c. $4 + 5 =$ _____   d. $7 - 2 =$ _____

   e. $10 - 6 =$ _____   f. $6 - 3 =$ _____

   g. $8 +$ _____ $= 10$ h. $10 -$ _____ $= 7$

9. Look at these children. Circle the answer to each question.

Molly   Juan   Naomi   Kiki

a. Who is on the right?   Molly   Juan   Naomi   Kiki

b. Who is tallest?   Molly   Juan   Naomi   Kiki

c. Who is second from the right?   Molly   Juan   Naomi   Kiki

d. Who is first on the left?   Molly   Juan   Naomi   Kiki
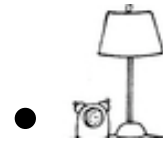
10. Fill in the blanks with numbers.

a. What number comes after sixteen? _____

b. What number comes before seventeen? _____

c. Which is greater, twelve or eleven? _____

d. Which is less, fourteen or fifteen? _____

11.
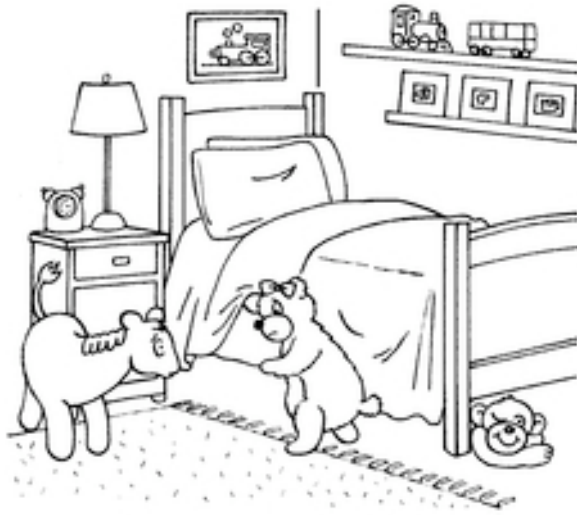
Draw lines to match:

a. The _____ is under the bed. ●   ●

b. The _____ are under the toys. ●   ●
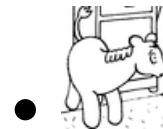
c. The _____ are on the table. ●   ●

d. The _____ is in front of the table. ●   ●

e. The _____ is on the bed. ●   ●

f. The _____ is to the right of the train. ●   ●

12.   Write + or − in each ◯ .

a. 10 ◯ 7 = 3   b. 9 ◯ 2 = 11

c. 10 ◯ 6 = 16   d. 15 ◯ 7 = 8

13.   Write a number sentence to solve these problems. Then fill in the blank.

   a. Lisa has 7 flowers. Tricia has 5 more flowers than Lisa. How many flowers does Tricia have?

       Tricia has _____ flowers.

   b. Andy needs 15 eggs. He has 6 eggs now. How many eggs does he need?

       He needs _____ eggs.

14.   Fill in the blanks.

   a.   14 + 1 = _____   b.   9 + 3 = _____

   c.   8 + 5 = _____   d.   16 + 4 = _____

   e.   17 − 15 = _____   f.   13 − 2 = _____

   g.   6 + _____ = 14   h.   16 - _____ = 7

   i.   10 + 9 = _____   j.   _____ + 4 = 14

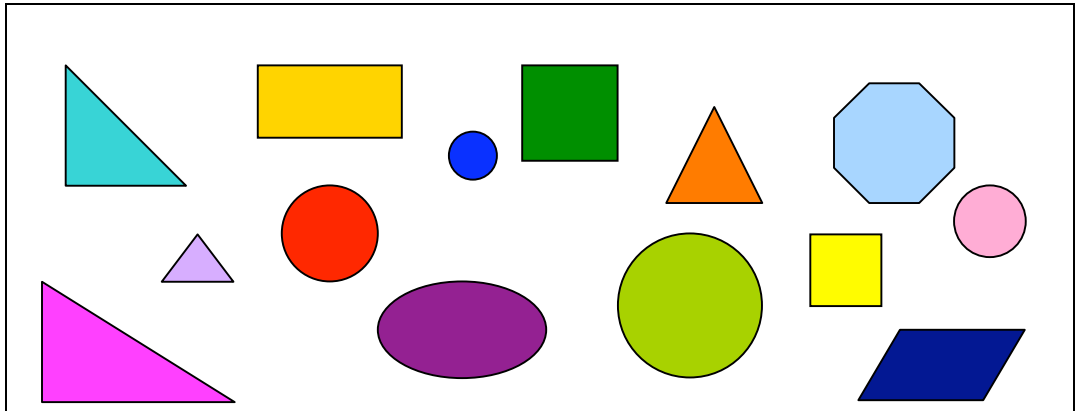   k.   8 + _____ = 12   l.   18 − 6 = _____

15. Look at the pattern of shapes.
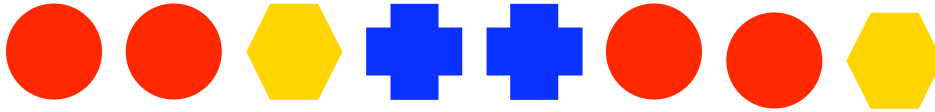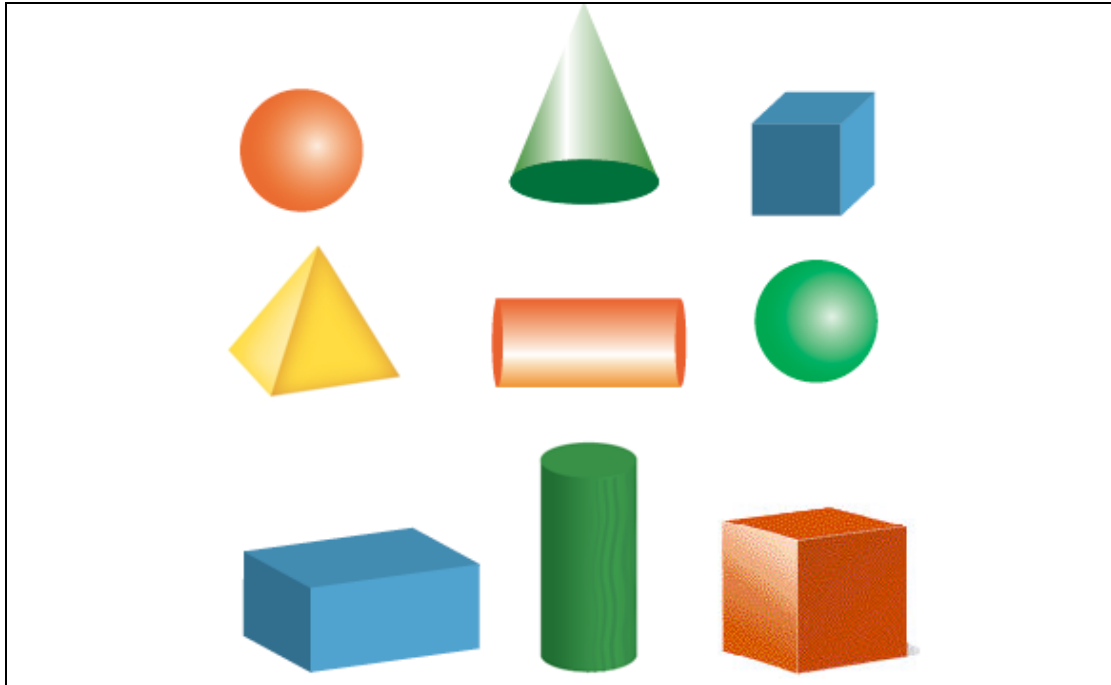
Circle the shape that comes next.

16.

a. How many rectangles are in the box? _____

b. How many circles are in the box? _____
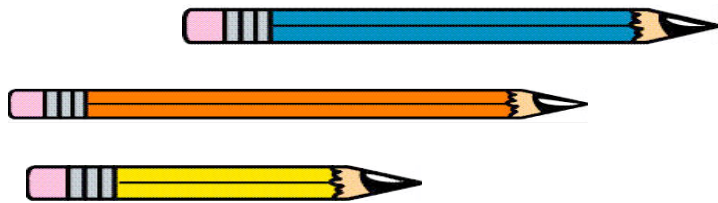
c. How many squares in the box? _____

d. How many shapes have 3 corners? _____

17.

    a. Cross out the shapes that can roll.

    b. Circle shapes that can have other shapes stacked on them.

    c. Underline the shape that has only one flat surface.
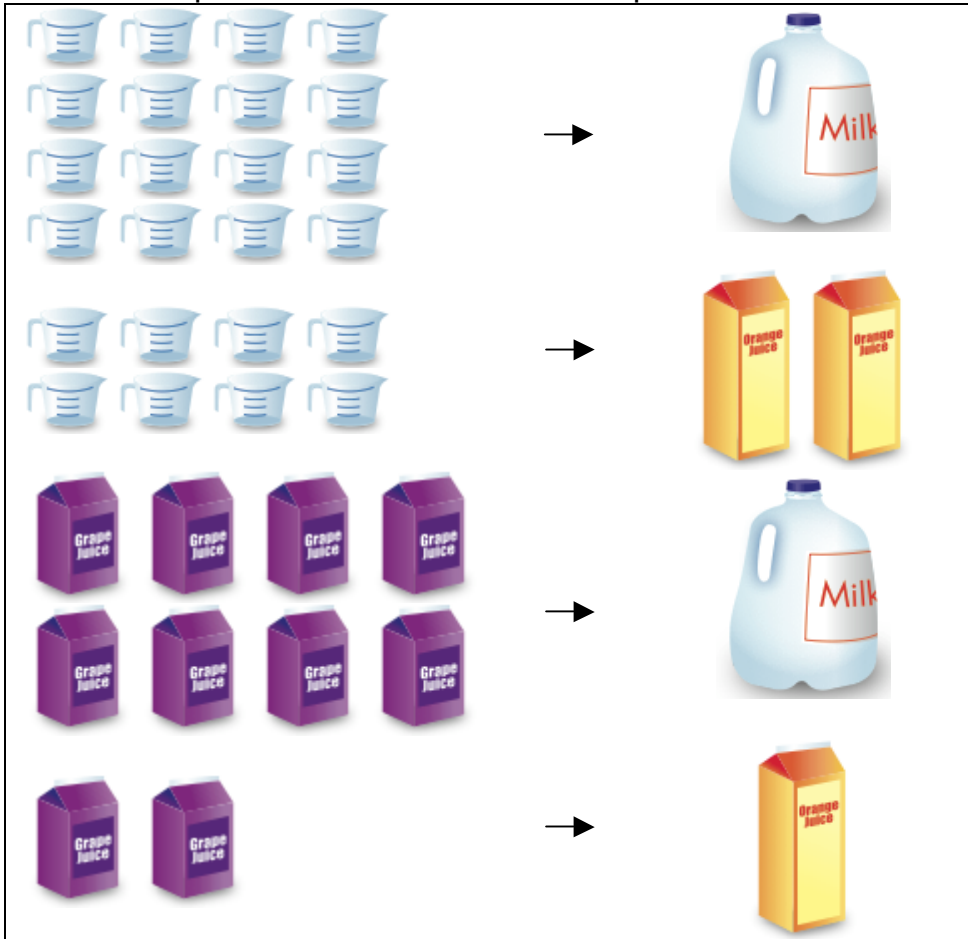
18. Underline the longest pencil.

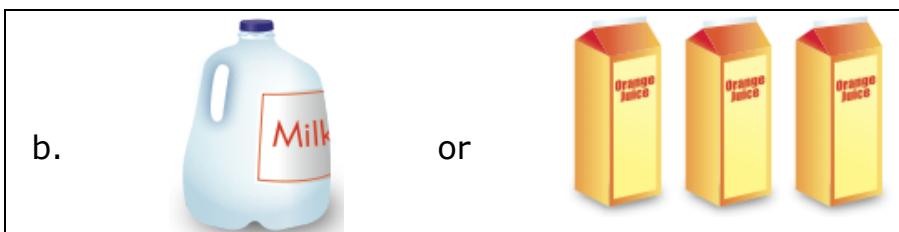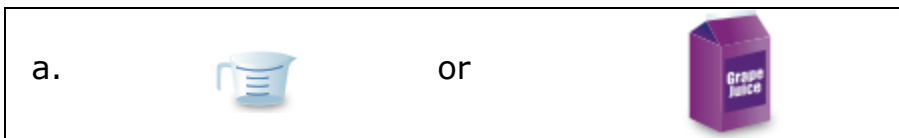19.   Circle the two numbers that make a 10.

2 3 4 7 9

20. The paper clip is one unit. The straw is _____ units long.

21. This picture shows how much liquid will fill each container.

Which holds the most liquid? Circle your choices.

a. or

b. or

Math in Focus 1A Placement Test Answer Key

Point values are indicated in parentheses next to each item number; 100 points total. If student's score is 80 or more, consider starting with level 1B.

1. (2 points)
   a. 5
   b. 16

2. (4 points)
   a. 4
   b. 20
   c. 7
   d. 18

3. (2 points)
   b

4. (4 points)
   a. 6, 3
   b. 10, 13

5. (3 points)
   4 + 3 = 7
   7 − 4 = 3
   7 − 3 = 4

6. (4 points)
   a. 7
   b. 9
   c. 3
   d. 4

7. (12 points)
   a. 2 + 3 = 5;
   He drank 5 glasses of water.
   b. 7 − 3 = 4; 4 balloons are red.
   c. 9 − 4 = 5; They had 9 frogs.

8. (8 points)
   a. 8
   b. 7
   c. 9
   d. 5
   e. 4
   f. 3
   g. 2
   h. 3

9. (4 points)
   a. Kiki
   b. Juan
   c. Naomi
   d. Molly

10. (4 points)
    a. 17
    b. 16
    c. 12
    d. 14

11. (6 points)

a. The _____ is under the bed.

b. The _____ are under the toys.

c. The _____ are on the table.

d. The _____ is in front of the table.

e. The _____ is on the bed.

f. The _____ is to the right of the train.

12. (4 points)
    a. −
    b. +
    c. +
    d. −

13. (8 points)
    a. 7 + 5 = 12; Tricia has 12 flowers.
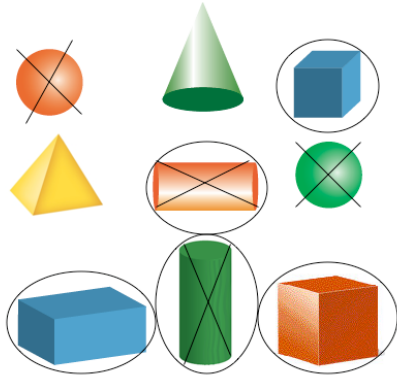   b. 15 − 6 = 9; He needs 9 eggs.

14. (12 points)
    a. 15
    b. 12
    c. 13
    d. 20
    e. 2
    f. 11
    g. 8
    h. 9
    i. 19
    j. 10
    k. 4
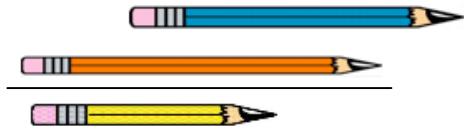   l. 12

15. (2 points)

16. (4 points)
    a. 3
    b. 4
    c. 2
    d. 4

17. (8 points)

18. (2 points)

19. (2 points)

20. (1 point)
    8

21. (4 points)
    a.
    b.