Placement Test for *Math in Focus* 1B

1.

a. Complete the tally chart for each kind of fruit.

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🍎		🍓	

b. Now, color in the rest of the bar graph.

c. There are the least number of which fruit? Circle your answer.

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d. Write a subtraction sentence showing how many more strawberries there are than pears, then write the answer.

_____ - _____ = _____

There are _____ more strawberries than pears.

2. This picture graph shows how many ice-cream cones five children ate last summer.

| Sally | Lori | Tom | Pat | Aiden |
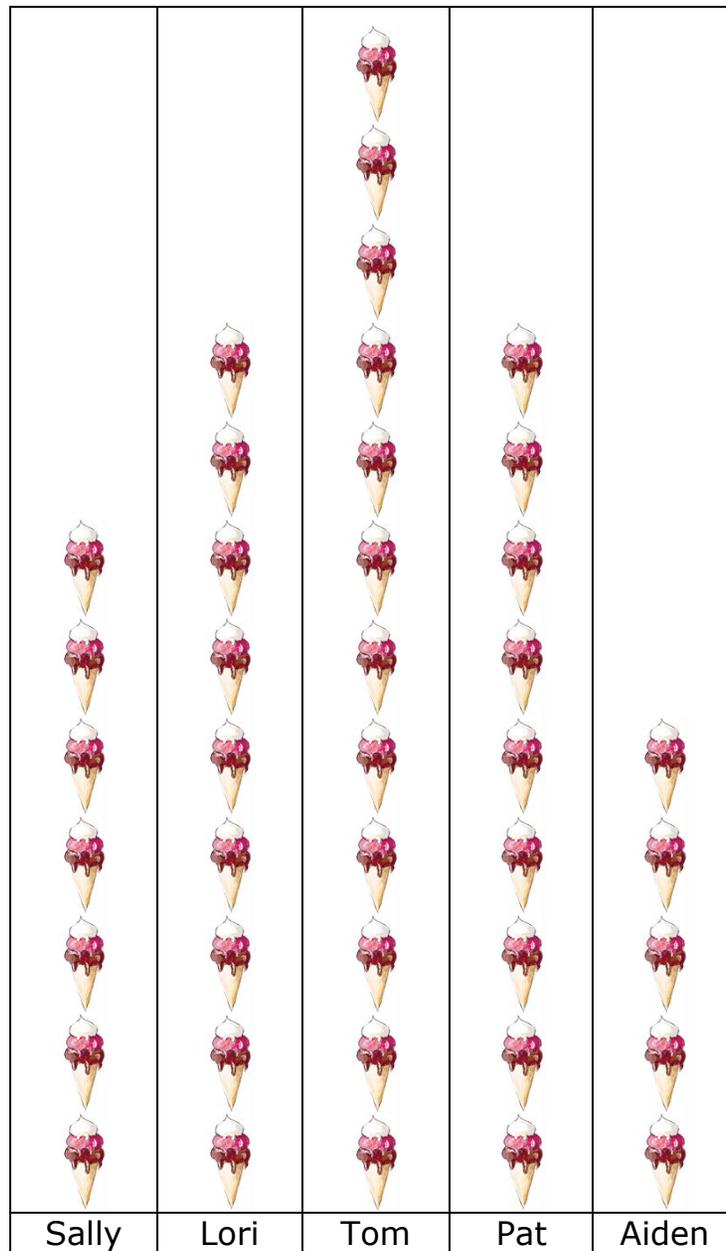
a. Aiden ate _____ fewer ice-cream cones than Sally.

b. _____ ate the most ice-cream cones.

c. Lori and _____ ate the same number of ice-cream cones.

d. How many ice-cream cones did Tom and Sally eat in all? _____

3. Circle the heavier item in each picture.
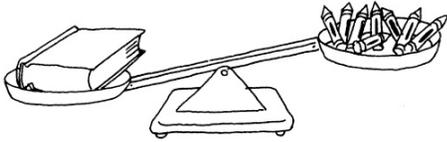
   a.   b.
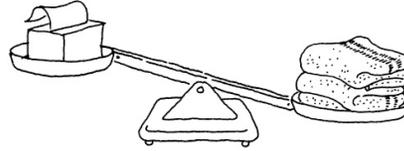
4. Write <, >, or = in each ◯.

   a. 46 ◯ 37   b. 83 ◯ 92

   c. 61 ◯ 65   d. 75 ◯ 7 tens and 5 ones

   e. 4 tens ◯ 6 tens   f. 62 ◯ seventy-one

5. Arrange the numbers 21, 15, 33, and 48 in order, beginning with the smallest.

   _____, _____, _____, _____

6. Fill in the blanks:
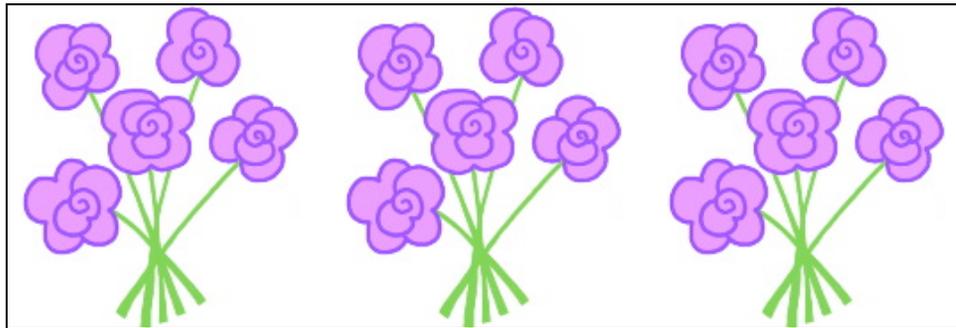

   a. There are _____ bunches of flowers.

   b. There are _____ flowers in each bunch.

   c. _____ + _____ + _____ = _____

      3 X 5 = _____

7. Fill in the blanks.

   a. _____ = 3 tens and 5 ones.

   b. 65 = _____ tens and _____ ones.

   c. 6 more than twenty-one is _____ tens and _____ ones.

   d. 10 less than 74 is _____.

   e. 30 more than 22 is _____.

   f. 1 less than forty is _____.

8. How many legs do 4 spiders have? Write the multiplication sentence.

   ☐ ◯ ☐ = ☐

9. Fill in the blanks.

   a. 32 + 6 = _____   b. 27 – 7 = _____

   c. 40 – 5 = _____   d. 28 + 3 = _____

   e. 4 + 7 + 5 = _____   f. 8 + 6 + 9 = _____

10. Count by twos to fill in the blanks.

   6, 8, _____, _____, _____, _____

11. Count backwards by tens.

   86, 76, _____, _____, _____, _____

12. Fill in the blanks.

    a. 55 + 4 = _____   b. 66 + 7 = _____

    c. 83 + 8 = _____   d. 30 + 52 = _____

    e. 65 – 3 = _____   f. 96 – 6 = _____

    g. 81 – 5 = _____   h. 62 – 9 = _____

    i. 53   j. 62   k. 76   l.   86
      + 5   + 24   – 3   – 32

    _____   _____   _____   _____

13. Liz has 18 cookies. She wants to put 3 cookies on each plate. How many plates does she need?
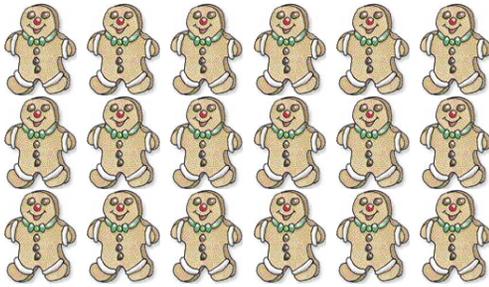
                                              Liz needs _____ plates.

14. This pizza is cut into 8 slices. Divide them equally among four children.
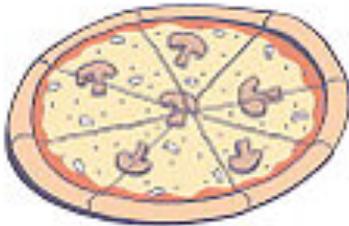
                        Each child gets _____ slices of pizza.

15. Write the numbers.

    a. forty-two   _____

    b. seventy-one   _____

16.   Write number sentences to solve the problems. Then fill in the blanks.

   a. Gary had some marbles. He lost 4 marbles. He now has 27 marbles left. How many marbles did he have at first?

   Gary had _____ marbles at first.

   b. Bobby has 25 toys in a box. He took 8 of them out to play with his friends. How many toys are in the box?

   There are _____ toys in the box.

17.   Draw lines to match the clocks with their times.

   •   • half past 12

   •   • 1 o'clock

   •   • half past 2

   •   • 4 o'clock

   •   • half past 11

18.   Circle the answers.

   a. Does February come before or after April?

                    before   after

   b. How many days are in one week?

                    six   seven

   c. How many months are in one year?

                    twelve   ten

   d. November is in what season?

                    fall   winter

19.   Fill in the blanks.

   a. A twenty-dollar bill can be changed for _____ five-dollar bills.

   b. A dollar bill can be changed for _____ quarters or _____ dimes.

20.   Fill in the blanks.

   a. How much money is in this set of coins? _____
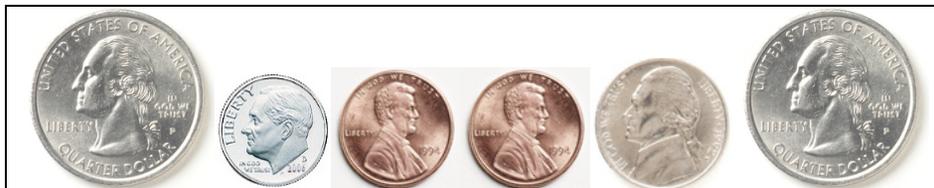
   b. How much money is in this set of coins? _____

   c. How much money is in the two sets of coins combined?

   _____

21. Fill in the blanks.

|	
a. Amanda wants to buy the drum and the book. How much money does she need? _____	$62 $24 $18 $35 $40 $27
b. Tony has $16. He wants to buy 2 scarves. How much more money does he need? _____	
c. Linda wants to buy the bear, the boots, and the bat. How much will they cost all together? _____	
d. How much less is the scarf than the boots? _____	
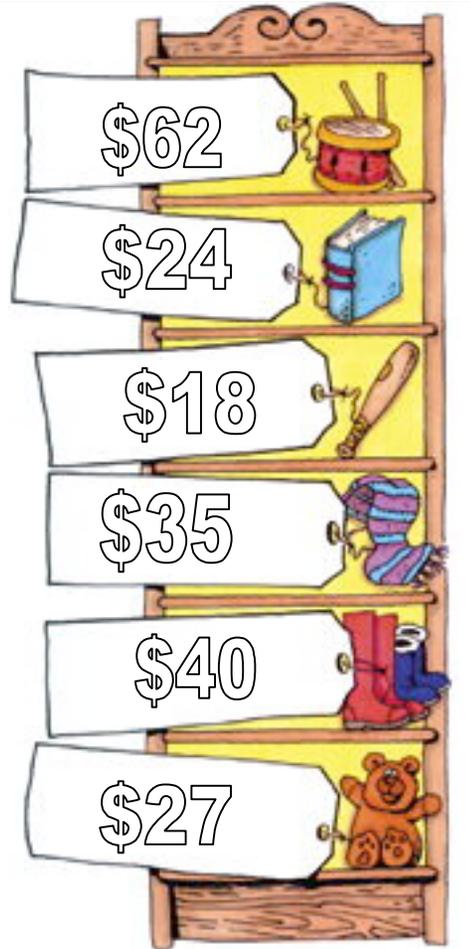
Math in Focus 1B Placement Test Answer Key

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 2A.

1.
a. (3 points)

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🍎	ᴺᴶ ||	🍓	ᴺᴶ ᴺᴶ ||||

b. (3 points)

c. (1 point)
🍊

d. (3 points)
14 - 8- = 6
There are 6 more strawberries than pears.

2. (4 points)
a. 2
b. Tom
c. Pat
d. 19

3. (2 points)
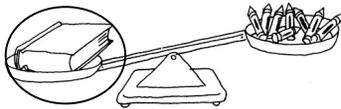
a.
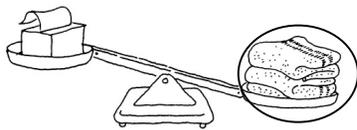
b.

4. (6 points)
a. >
b. <
c. <
d. =
e. <
f. <

5. (2 points)
15, 21, 33, 48

6. (5 points)
a. There are 3 bunches of flowers.
b. There are 5 flowers in each bunch.
c. 5 + 5 + 5 = 15
   3 X 5 = 15

7. (8 points)
a. 35
b. 6, 5
c. 2, 7
d. 64
e. 52
f. 39

8. (2 points)
8 X 4 = 32
or
4 X 8 = 32

9. (6 points)
a. 38
b. 20
c. 35
d. 31
e. 16
f. 23

10. (2 points)
10, 12, 14, 16

11. (2 points)
66, 56, 46, 36

12. (12 points)
a. 59
b. 73
c. 91
d. 82
e. 62
f. 90
g. 76
h. 53
i. 58
j. 86
k. 73
l. 54

13. (2 points)
Liz needs 6 plates.

14. (2 points)
Each child gets 2 slices of pizza.

15. (2 points)
a. 42
b. 71

16. (6 points)
a. 4 + 27 = 31
Gary had 31 marbles at first.
b. 25 - 8 = 17
There are 17 toys in the box.

17. (5 points)
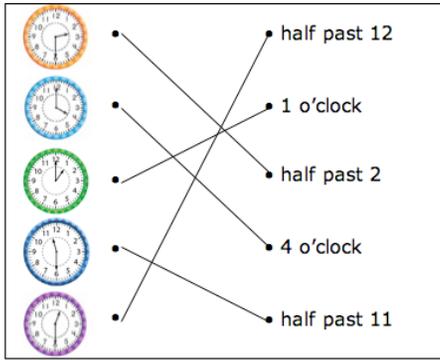
18. (4 points)
   a. before
   b. seven
   c. twelve
   d. fall

19. (4 points)
   a. 4
   b. 4, 10

20. (6 points)
   a. 67¢
   b. 33¢
   c. 100¢ or $1

21. (8 points)
   a. $86
   b. $54
   c. $85
   d. $5