This test covers material taught in Dimensions Math 1B.

1. Use 📝 as 1 unit.

(a) The _____________ is the shortest.
(b) The _____________ is the longest.
(c) The _____________ is shorter than the pen but longer than the eraser.
(d) The pen is longer than the _____________ and the _____________.
(e) The crayon is _____ units long.
(f) The eraser is 5 units shorter than the _____________.
2 Compare the lengths of the ribbons.

(a) Which ribbon is the longest? 
(b) Which ribbon is the shortest?

3 Are there more crabs or fish? How many more?

There are _____ more ____________ than ______________.
Draw $\times$ in the graph to show how many stickers each friend has.

Emma has 8 stickers.
Mei has 3 fewer stickers than Emma.
Alex has 2 more stickers than Mei.
Dion has 3 more stickers than Mei.

(a) Mei has _____ stickers.

(b) Alex has _____ stickers.

(c) Dion has ____________ more sticker than Alex.

(d) ____________ has 1 fewer sticker than Dion.

(e) Emma has the same number of stickers as ____________.
5 Fill in the blanks.

(a) 27 is 2 tens and ____ ones.

(b) 34 is ____ tens and 4 ones.

(c) ____ is 2 tens and 0 ones.

(d) ____ more than 25 is 28.

(e) 10 less than ____ is 20.

6 Fill in the blanks.

(a) $33 + 2 = \underline{\phantom{00}}$

(b) $\underline{\phantom{00}} = 4 + 25$

(c) $13 + \underline{\phantom{00}} = 20$

(d) $24 + \underline{\phantom{00}} = 30$
7 There are 8 children on a school bus.
6 girls and 3 boys get on the bus.
How many children are on the bus altogether?

\[
\square + \square + \square = \square
\]

There are _____ children on the bus altogether.

8 Emma had 32 beads.
She gave 6 to her sister.
How many beads does she have left?

\[
\square \bigcirc \square = \square
\]

She has _____ beads left.
Find the total.

(a) \(3 + 3 + 3 + 3 + 3 = \) 
(b) 2 groups of 4 = 

(c) 4 fives = 
(d) 10 twos = 

There are 18 caterpillars. 
Circle groups of 6.

There are ______ groups of 6.

Maya baked 15 cupcakes.

(a) If she puts 3 cupcakes on each plate, how many plates are there?

There are ______ plates with 3 cupcakes.

(b) If she wants to put the cupcakes equally on 3 plates, how many cupcakes will be on each plate?

There will be ______ cupcakes on each plate.
12 Check ✓ the box if 1 fourth of the shape is shaded.

13 Write the numbers in the box in order, from greatest to least.

95 65 79 49 56
14  (a) \(63 + 20 = \_
\)

(b) \(32 + 43 = \_
\)

(c) \(= 81 + 17 \)

(d) \(55 + \_
\) = 78

(e) \(\_
\) + 16 = 77

15  A farmer put 72 red apples and 26 green apples in a crate. How many apples did she put in the crate altogether?

She put _____ apples in the crate altogether.

16  A florist has 14 fewer white roses than red roses. He has 59 red roses. How many white roses does he have?

He has _____ white roses.
17 Match.

**Half past 7**

![Clock showing 7:30]

**Half past 5**

![Clock showing 5:30]

**Half past 12**

![Clock showing 12:30]

**One o’clock**

![Clock showing 1:00]

**8:00**

![Clock showing 8:00]

**6 o’clock**

![Clock showing 6:00]
18. Fill in the blanks.

(a) \[\text{\phantom{0}} : \text{\phantom{0}} \quad \text{minutes past 2}\]

(b) \[\text{\phantom{0}} : \text{\phantom{0}} \quad \text{minutes past 2}\]
   A quarter past _____

(c) \[\text{\phantom{0}} : \text{\phantom{0}} \quad \text{minutes past 2}\]
   _____ minutes later than 2:15
Match.

10¢ more than 50¢

15¢ less than 70¢

25¢ more than 1 dime

1 dime more than 12¢

1 nickel less than 15¢
(a) Dion has a quarter.  
He wants to buy a bagel.  

He needs ________¢ more.

(b) Mei bought one bagel and one pretzel.  

She spent ________¢.

(c) Sofia paid 2 quarters and got a dime back.  

She bought one ________________.

(d) Alex paid for a bagel with a $1 bill.  

He got ________¢ back.
1. (a) eraser  (b) pencil  (c) crayon  (d) eraser, crayon  (e) 5  (f) pen

2. (a) C  (b) B

3. $7 - 4 = 3$
   There are 3 more fish than crabs.

4. | Number of Stickers |
<table>
<thead>
<tr>
<th></th>
</tr>
</thead>
<tbody>
<tr>
<td>Mei</td>
</tr>
<tr>
<td>Emma</td>
</tr>
<tr>
<td>Alex</td>
</tr>
<tr>
<td>Dion</td>
</tr>
</tbody>
</table>
   (a) 5  (b) 7  (c) 1  
   (d) Alex  (e) Dion

5. (a) 7  (b) 3  (c) 20  
   (d) 3  (e) 30

6. (a) 35  (b) 29  
   (c) 7  (d) 6

7. $8 + 6 + 3 = 17$
   There are 17 children on the bus altogether.

8. $32 - 6 = 26$
   She has 26 beads left.

9. (a) 15  (b) 8  (c) 20  (d) 20

10. Check that caterpillars are circled in three groups of 6.
    There are 3 groups of 6.

11. (a) There are 5 plates with 3 cupcakes.  
    (b) There will be 5 cupcakes on each plate.

12. 

13. 95, 79, 65, 56, 49
14. (a) 83  (b) 75  (c) 98  (d) 23  (e) 61

15. She put 98 apples in the crate altogether.

16. He has 45 white roses.

17. Half past 7  12:30  7:30  Half past 5  Half past 12  One o’clock

18. (a) 2:10  10 minutes past 2
       (b) 2:15  15 minutes past 2  A quarter past 2
       (c) 2:25  25 minutes past 2  10 minutes later than 2:15

19. 10¢ more than 50¢  15¢ less than 70¢  25¢ more than 1 dime
       1 dime more than 12¢  1 nickel less than 15¢

20. (a) 30  (b) 95  (c) pretzel  (d) 45