This test covers material taught in Dimensions Math 1A.

1 What are the missing numbers?

(a)

4	5			8

(b)

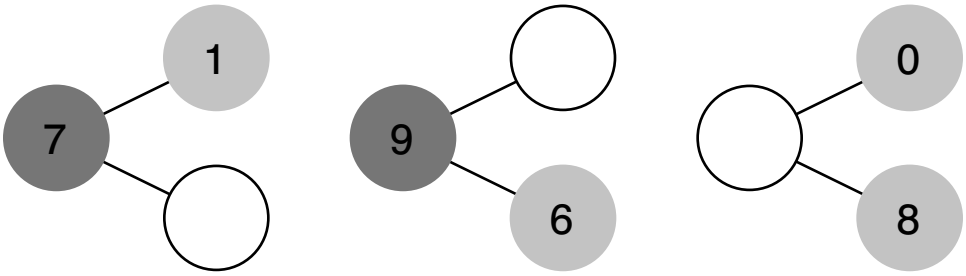
4		2		0

2 Put the numbers in order from least to greatest.

8	9	0	2

_____

3 Complete the number bonds.



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4 Fill in the blanks.

(a) 5 and _____ make 8.

(b) _____ and 6 make 10.

(c) 10 and 7 make _____.

5 Fill in the blanks.

(a) 2 more than 7 is _____.

(b) 0 added to 7 is _____.

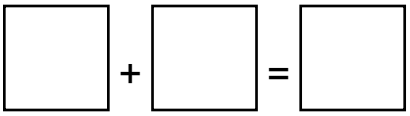
(c) 3 less than 7 is _____.

6 Circle the equations that are true.

3 + 6 = 6 + 3	**4 + 4 = 4 – 4**	**5 + 2 = 3 + 5**
10 + 0 = 10	**8 – 3 = 3 + 2**	**2 + 7 = 7 – 2**

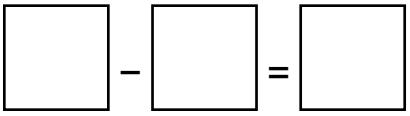
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7 There are 8 flowers in a vase.
Emma adds 4 more flowers.
How many flowers are in the vase now?

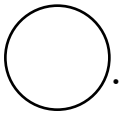


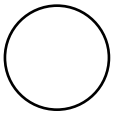
There are _____ flowers in the vase now.

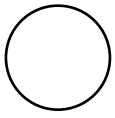
8 Alex has 10 baseball cards.
He gives 3 to his friend.
How many baseball cards does he have now?

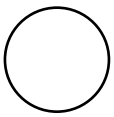


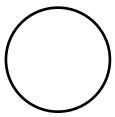
Alex has _____ baseball cards now.

9 Write + or – in each .

(a) 6  1 = 7

(b) 5  2 = 3

(c) 1  1 = 0

(d) 2  8 = 10

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10 Circle the least number and cross out the greatest.

19	7	9	17	1

11 Circle the greatest in each row.

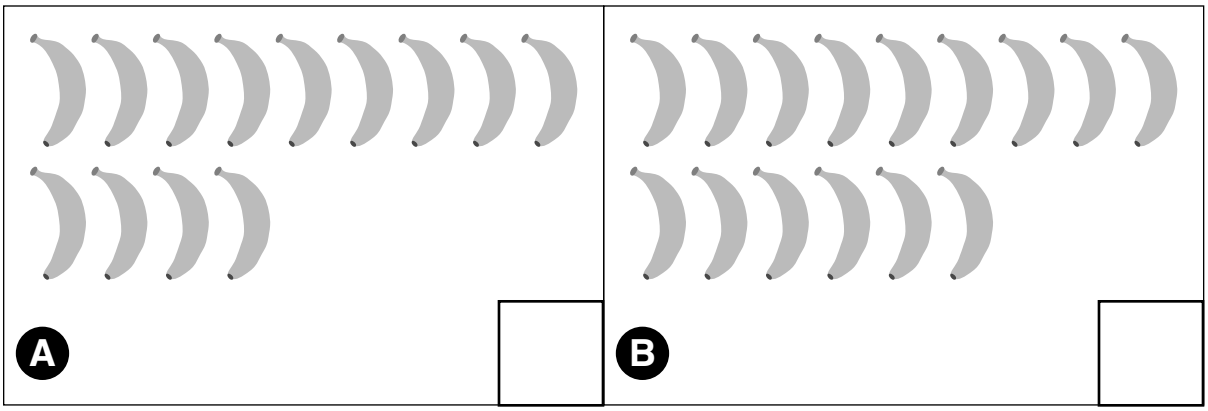
(a)

8 + 1	10 – 2	seven

(b)

5 + 5	9	6 – 5

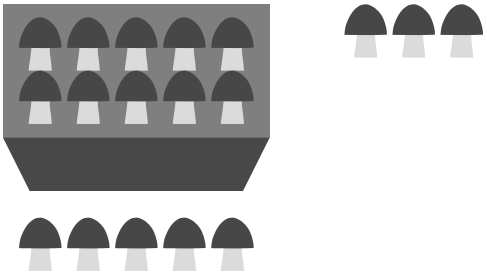
12 Write the correct number in the boxes.
Fill in the blanks.



Set _____ has more bananas than Set _____.

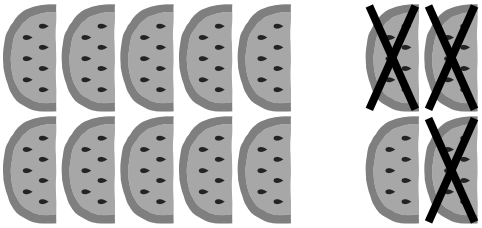
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13 Complete the addition equation.



☐ + 3 = ☐

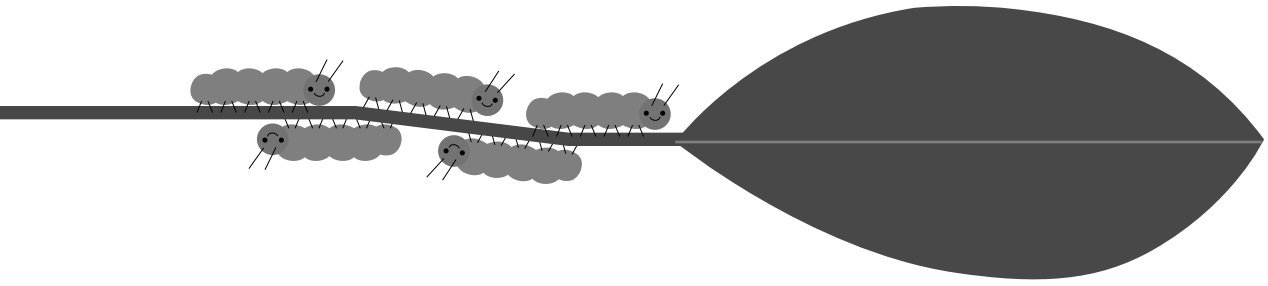
14 Complete the subtraction equation.



14 – ☐ = ☐

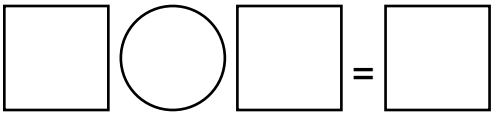
15 There are 11 caterpillars altogether.
How many caterpillars are hiding?

_____ caterpillars are hiding.



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16 Dion found 9 shells.
Mei gives him 6 more shells.
How many shells does Dion have?



Dion has _____ shells.

17 Cross out any that are less than 4.

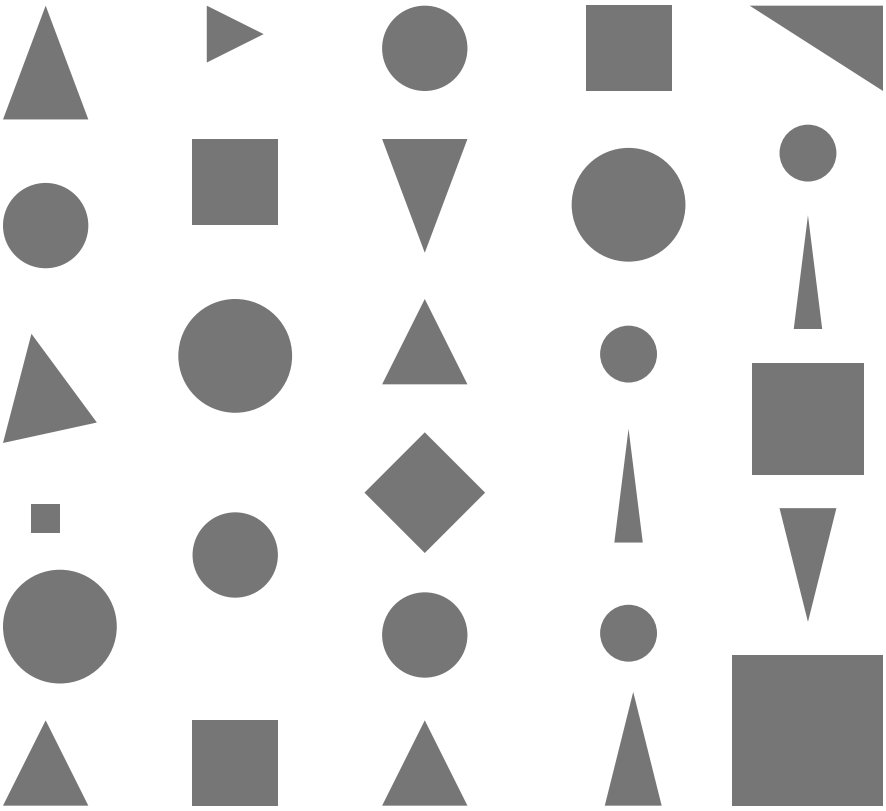
7 – 4	**1 + 3**	**2 + 0**	**18 – 5**

18 Draw the shape that comes next.



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19



(a) There are _____ squares, _____ circles, and _____ triangles.

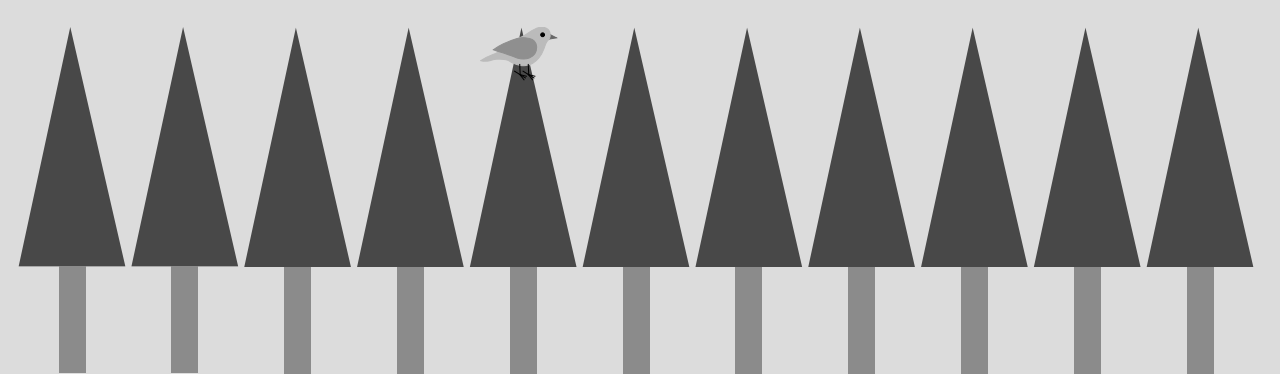
(b) There are more _____ than circles.

(c) There are _____ fewer squares than triangles.

(d) The number of circles is _____ less than the number of triangles.

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20 Circle the correct answer.



(a) The bird is in the (5th , 6th , 7th) tree from the right.

(b) There are (4 , 5 , 6) trees to the left of the bird.

(c) There are more trees to the (left , right) of the bird.

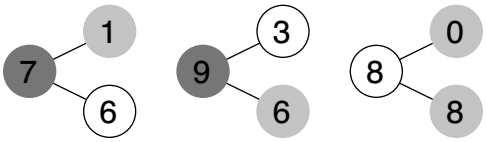
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Answer Key

1 (a) 4 5 6 7 8
(b) 4 3 2 1 0

2 0, 2, 8, 9

3



4 (a) 3 (b) 4 (c) 17

5 (a) 9 (b) 7 (c) 4

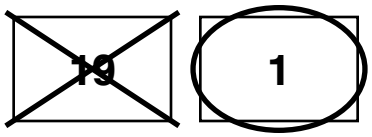
6 3 + 6 = 6 + 3
10 + 0 = 10
8 – 3 = 3 + 2

7 8 + 4 = 12
There are 12 flowers in the vase now.

8 10 – 3 = 7
He has 7 baseball cards now.

9 (a) + (b) –
(c) – (d) +

10



11 (a) 8 + 1 (b) 5 + 5

12 A = 13, B = 15
Set B has more bananas than Set A.

13 15 + 3 = 18

14 14 – 3 = 11

15 6 caterpillars are hiding.

16 9 + 6 = 15
Dion has 15 shells.

17 7 – 4, 2 + 0

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18 

19 (a) There are 7 squares, 10 circles, and 12 triangles.
(b) There are more triangles than circles.
(c) There are 5 fewer squares than triangles.
(d) The number of circles is 2 less than the number of triangles.

20 (a) 7th (b) 4 (c) right

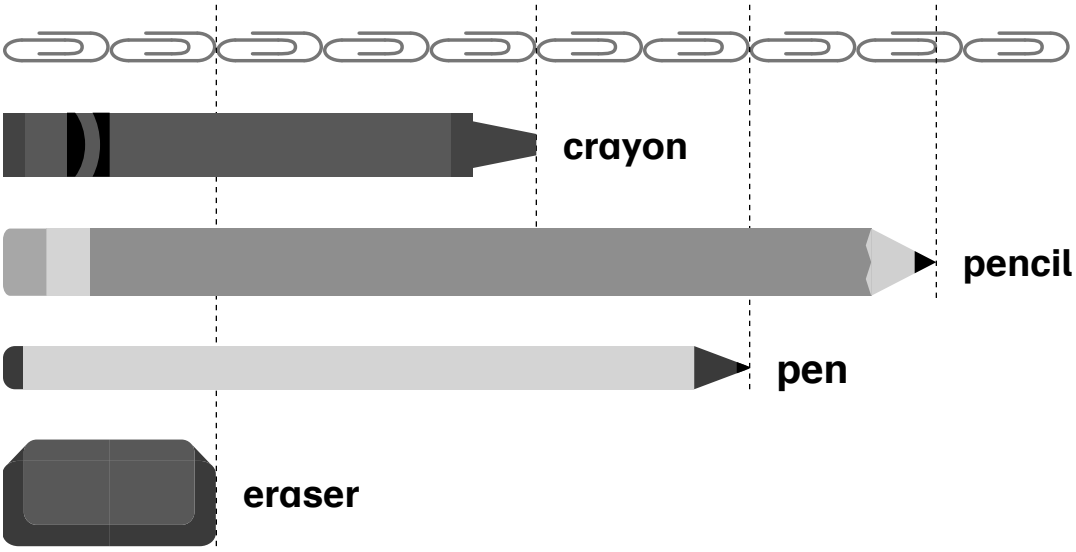
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Dimensions Math
Placement Test 1B

www.singaporemath.com

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.

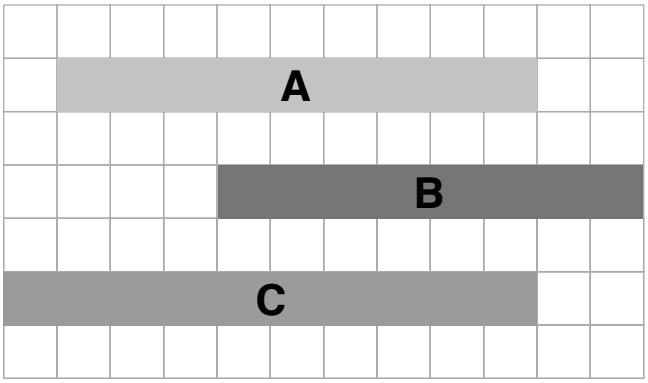
(d) The pen is longer than the _____ and the _____.

(e) The crayon is _____ units long.

(f) The eraser is 5 units shorter than the _____.

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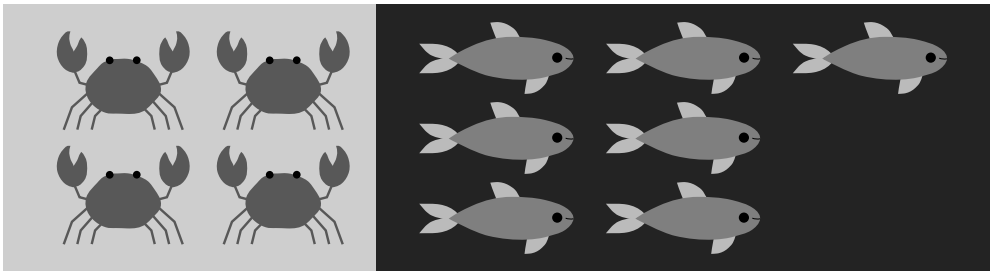
2 Compare the lengths of the ribbons.



(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 _____.

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4

Number of Stickers								
Mei								
Emma								
Alex								
Dion								

Draw **X** 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 _____.

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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) $33 + 2 = \square$

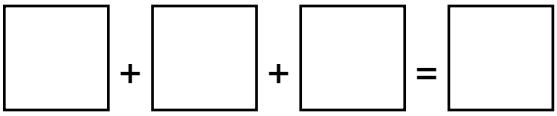
(b) $\square = 4 + 25$

(c) $13 + \square = 20$

(d) $24 + \square = 30$

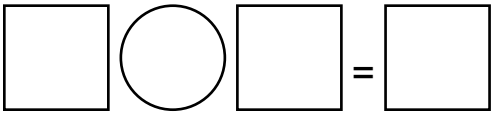
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7 There are 8 children on a school bus.
6 girls and 3 boys get on the bus.
How many children are on the bus altogether?



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?



She has _____ beads left.

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9 Find the total.

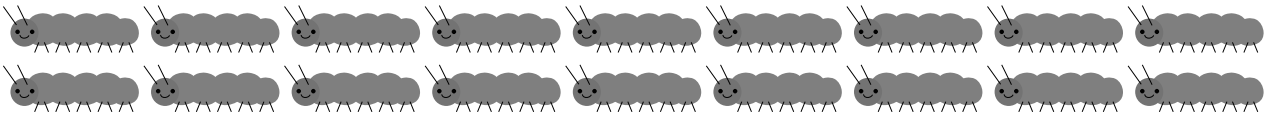
(a) 3 + 3 + 3 + 3 + 3 = ☐

(b) 2 groups of 4 = ☐

(c) 4 fives = ☐

(d) 10 twos = ☐

10 There are 18 caterpillars.
Circle groups of 6.



There are _____ groups of 6.

11 Maya baked 15 cupcakes.

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

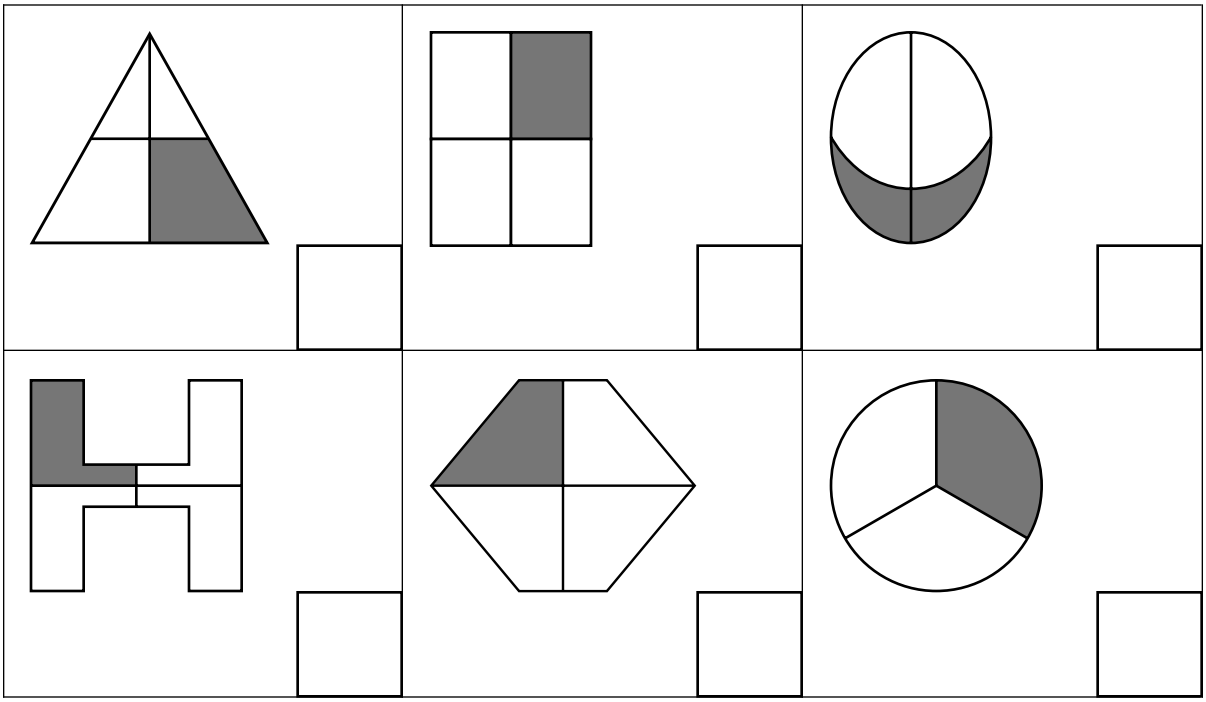
There are _____ plates with 3 cupcakes.

(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.

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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**

_____

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14 (a) $63 + 20 = \square$

(b) $32 + 43 = \square$

(c) $\square = 81 + 17$

(d) $55 + \square = 78$

(e) $\square + 16 = 77$

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.

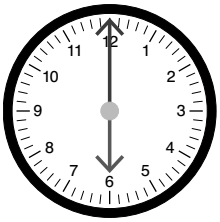
16 A florist has 14 fewer white roses than red roses.
He has 59 red roses.
How many white roses does he have?

He has _____ white roses.

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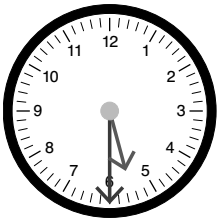
17 Match.

half past 7



half past 12

One o'clock

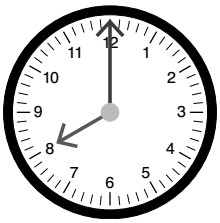


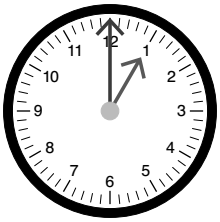
8:00

12:30

half past 5

7:30

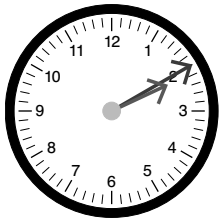




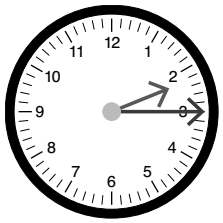
6 o'clock

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18 Fill in the blanks.

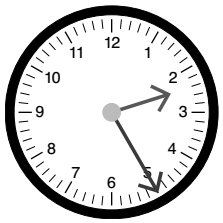
(a) 

☐ : ☐ _____ minutes past 2

(b) 

☐ : ☐ _____ minutes past 2

A quarter past _____

(c) 

☐ : ☐ _____ minutes past 2

_____ minutes later than 2:15

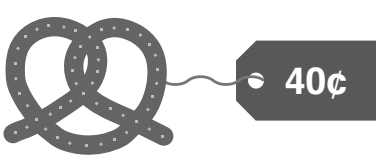
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19 Match.

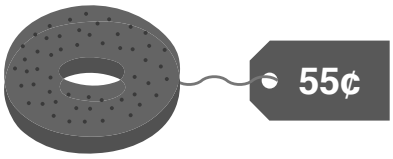
10¢ more than 50¢	
15¢ less than 70¢	
25¢ more than 1 dime	
1 dime more than 12¢	
1 nickel less than 15¢	

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20



pretzel



bagel

(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.

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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								
Mei	X	X	X	X	X			
Emma	X	X	X	X	X	X	X	X
Alex	X	X	X	X	X	X	X	
Dion	X	X	X	X	X	X	X	X

(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

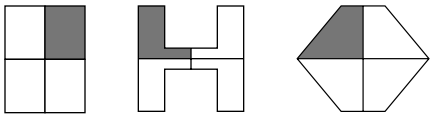
7 8 + 6 + 3 = 17
There are 17 children on the bus altogether.

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

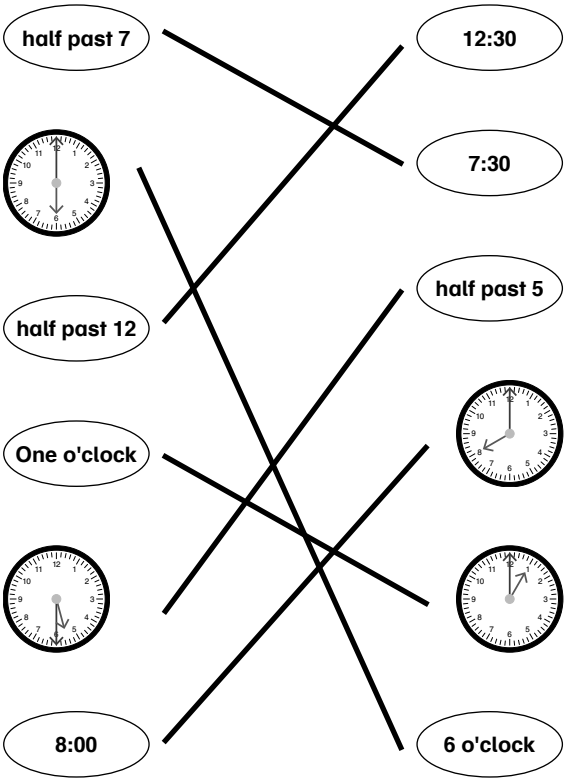
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14 (a) 83 (b) 75
(c) 98 (d) 23
(e) 61

15 She put 98 apples in the crate altogether.

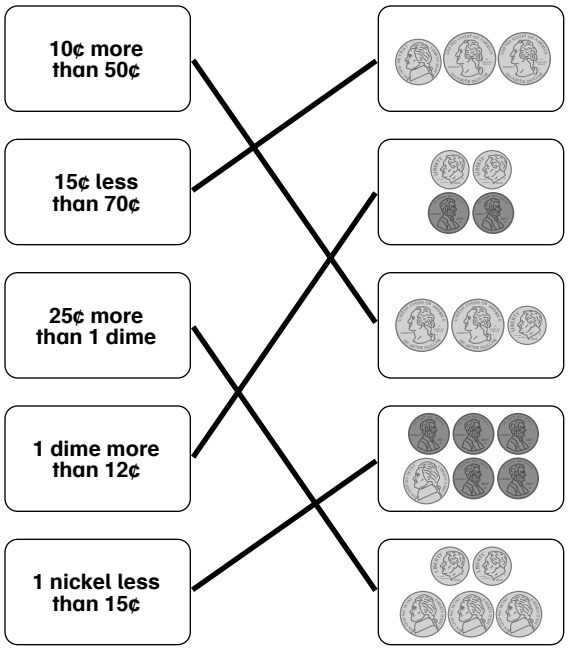
16 He has 45 white roses.

17



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

19



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