

This test covers material taught in Dimensions Math 2A.

1 Write the numbers.

(a) 3 tens and 6 ones

(b) four hundred twenty-five

(c) three less than fifty-three

(d) six more than eighty

2 Write the numbers in words.

(a) 15 _____

(b) 38 _____

(c) 100 _____



3 Use these numbers.

387 **378** **873** **673** **199**

(a) Write the numbers in order from least to greatest.

(b) List the numbers that are less than 6 hundreds.

(c) Which number is equal to 7 tens, 3 hundreds, and 8 ones?

4 Complete the number patterns.

(a) **165** **365** **465**

(b) **842** **822** **762**



5 Write $>$, $<$, or $=$ in the \bigcirc .

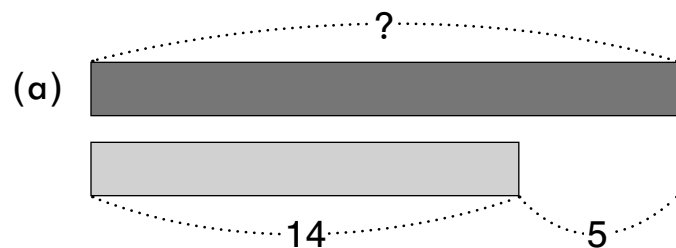
(a) $88 + 4 \bigcirc 92 - 3$

(b) $97 \bigcirc 9 \text{ ones and } 7 \text{ tens}$

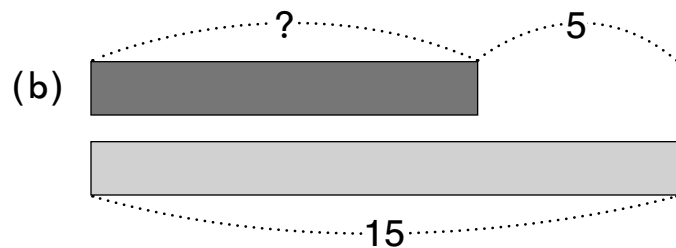
(c) $75 - 5 \bigcirc 66 + 5$

(d) $30 + 800 + 1 \bigcirc 1 + 830$

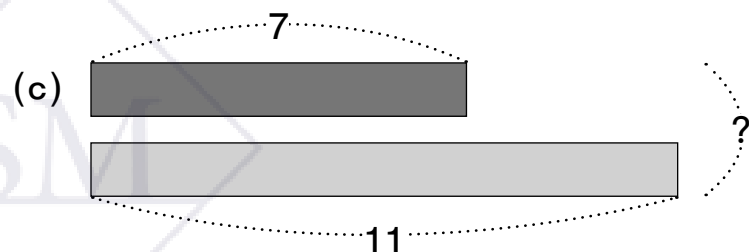
6 Use the information in the model and complete the equation.



$\square + 5 = \square$



$15 \bigcirc \square = \square$



$11 \bigcirc \square = \square$

7 Add.

(a)

	5	7	2
+		2	5

(b)

	8	1	4
+	1	6	4

8 Subtract.

(a)

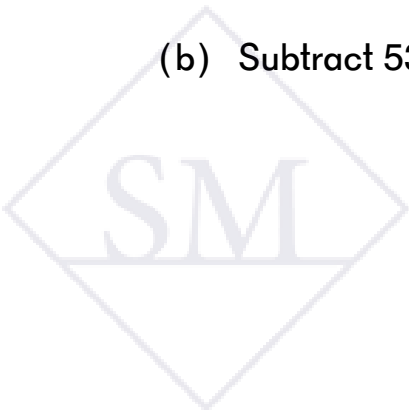
	3	5	9
-		4	0

(b)

	6	7	3
-	1	3	2

9 (a) Add 362 and 258.

(b) Subtract 531 from 700.



- 10** A farmer sold 592 peaches last week.
He sold 368 peaches this week.
How many peaches did he sell in two weeks?

He sold _____ peaches.

- 11** There are 282 women, 205 men, and 158 children in a club.

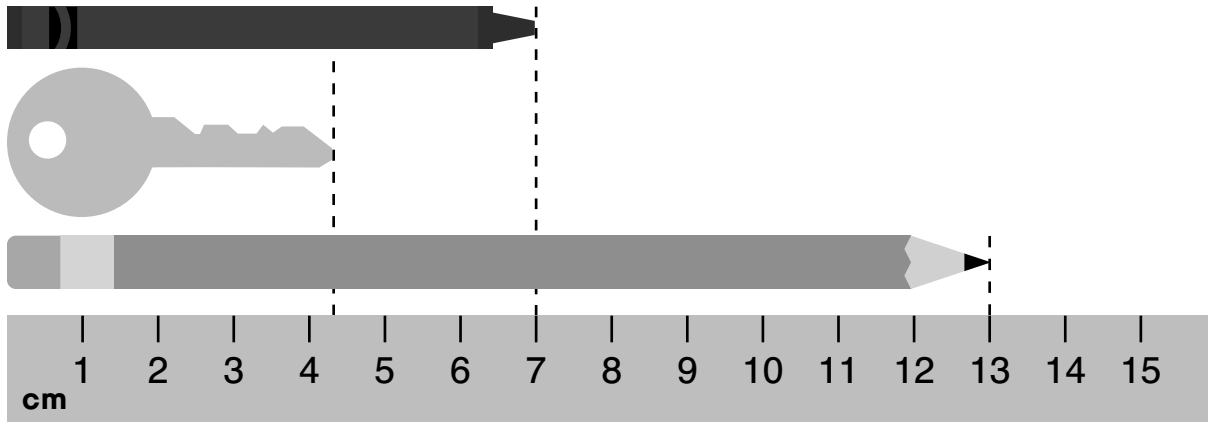
(a) How many more women than men are there?

There are _____ more women than men.

(b) How many adults are there in all?

There are _____ adults in all.

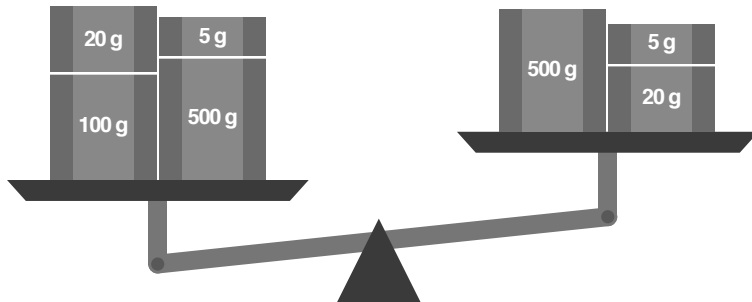
12



- (a) The crayon is _____ cm long.
- (b) The key is about _____ cm long.
- (c) The crayon is _____ cm shorter than the pencil.

13

How much weight needs to be added to the right side to balance the left side?



_____ g needs to be added to the right side.



14 Fill in the blanks with g or kg.

(a) A cell phone weighs about 110 _____.

(b) A pumpkin weighs about 20 _____.

(c) An apple weighs about 170 _____.

(d) A textbook weighs about 1 _____.

15 (a) $7 + 7 + 7 = \boxed{} \times 7 = \boxed{}$

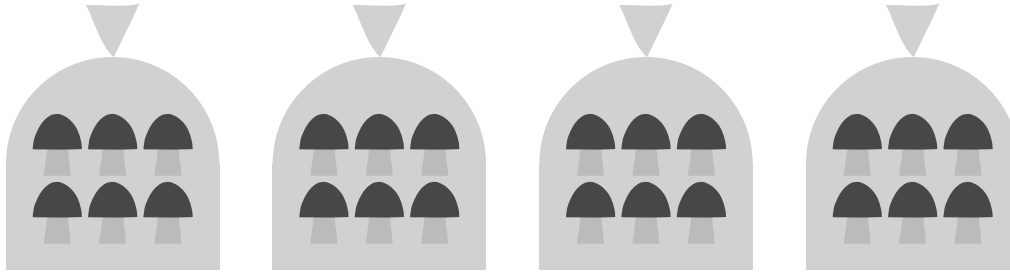
(b) $3 + 3 + 3 + 3 = \boxed{} \times 3 = \boxed{}$

(c) $9 \times 5 = \boxed{} \times 9$

(d) $10 \times 2 = 2 \times \boxed{}$



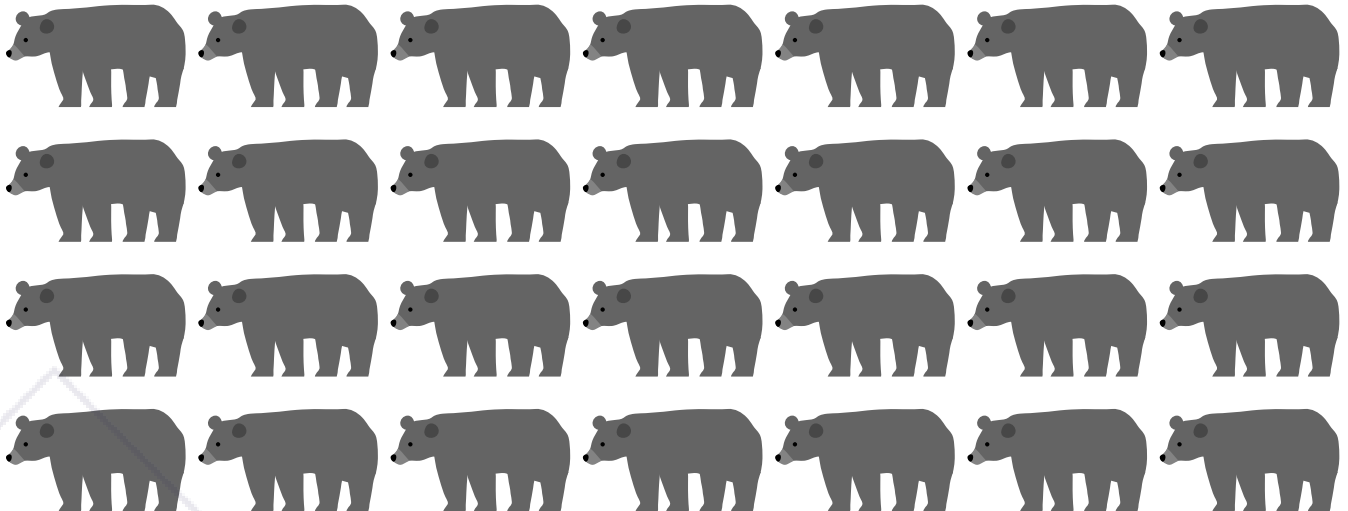
- 16 There are 6 mushrooms in a bag.
How many mushrooms are in 4 bags?



$$4 \times 6 = \boxed{}$$

There are _____ mushrooms in 4 bags.

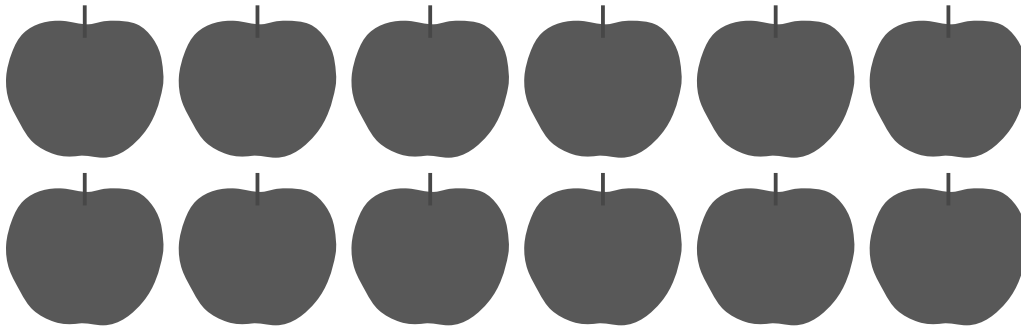
- 17 Write two different multiplication equations to find the total number of bears.



$$\boxed{} \times \boxed{} = \boxed{}$$

$$\boxed{} \times \boxed{} = \boxed{}$$

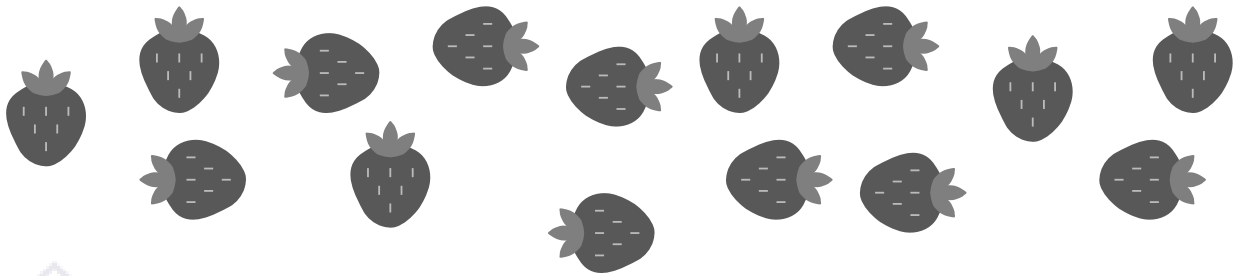
- 18 Divide 12 apples in 4 equal groups.



$$12 \div 4 = \boxed{}$$

There are _____ apples in each group.

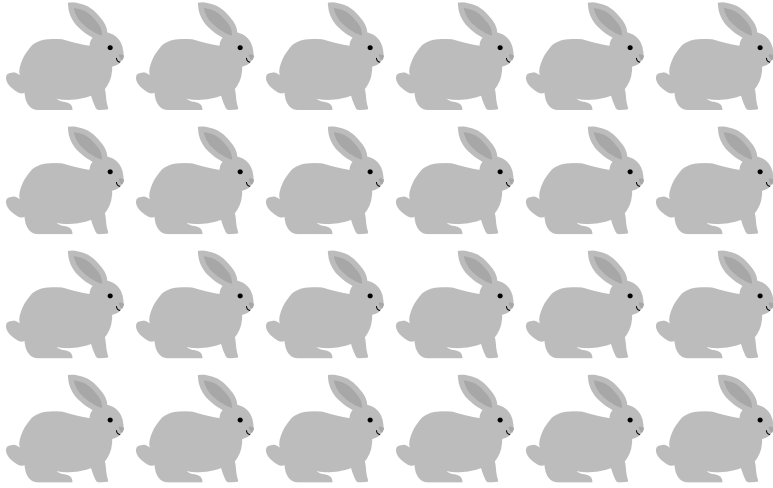
- 19 Emma has 15 strawberries.
She wants to put 5 strawberries on each plate.
How many plates does she need?



$$\boxed{} \div \boxed{} = \boxed{}$$

She needs _____ plates.

- 20 Complete the multiplication and division equations for the array of bunnies.



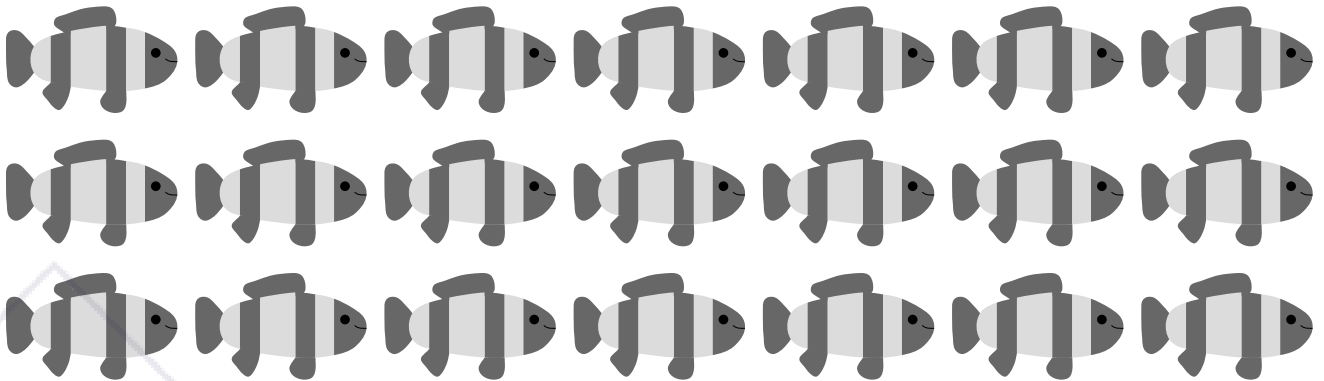
$$\square \times \square = \square$$

$$\square \times \square = \square$$

$$\square \div \square = \square$$

$$\square \div \square = \square$$

- 21 Write multiplication and division equations for the array of clownfish.



$$\square \times \square = \square$$

$$\square \times \square = \square$$

$$\square \div \square = \square$$

$$\square \div \square = \square$$

22 (a) $9 \times 2 =$

(b) $6 \times 2 =$

(c) $4 \times 4 =$

(d) $6 \times 4 =$

(e) $8 \times 5 =$

(f) $8 \times 10 =$

23 (a) $12 \div 2 =$

(b) $10 \div 5 =$

(c) $40 \div 10 =$

(d) $25 \div 5 =$

(e) $18 \div 2 =$

(f) $90 \div 10 =$



- 24 Write a multiplication or division equation for each problem, and then write the answer in the blank.

- (a) A piece of ribbon is 25 in long.
Kona cuts it into 5 pieces.
How long is each piece of ribbon now?

Each piece of ribbon is _____ long.

- (b) A notebook costs \$2.
Diego bought 4 notebooks.
How much did he pay for the notebooks?

He paid _____ for the notebooks.

Answer Key

- 1** (a) 36 (b) 425
(c) 50 (d) 86
- 2** (a) fifteen
(b) thirty-eight
(c) one hundred
- 3** (a) 199, 378, 387, 673, 873
(b) 199, 378, 387
Answers can be in any order.
(c) 378
- 4** (a) 265, 565, 665
(b) 802, 782
- 5** (a) $>$ (b) $>$
(c) $<$ (d) $=$
- 6** (a) $14 + 5 = 19$
(b) $15 - 5 = 10$
(c) $11 + 7 = 18$
- 7** (a) 597 (b) 978
- 8** (a) 319 (b) 541
- 9** (a) 620 (b) 169
- 10** He sold 960 peaches.
- 11** (a) There are 77 more women than men.
(b) There are 487 adults in all.
- 12** (a) The crayon is 7 cm long.
(b) The key is about 4 cm long.
(c) The crayon is 6 cm shorter than the pencil.
- 13** 100 g needs to be added to the right side.
- 14** (a) A cell phone weighs about 110 g.
(b) A pumpkin weighs about 20 kg.
(c) An apple weighs about 170 g.
(d) A textbook weighs about 1 kg.

Answer Key

- 15** (a) 3, 21 (b) 4, 12
(c) 5 (d) 10

- 16** 24
There are 24 mushrooms in 4 bags.

- 17** $4 \times 7 = 28$, $7 \times 4 = 28$

- 18** 3
There are 3 apples in each group.

- 19** $15 \div 5 = 3$
She needs 3 plates.

- 20** $4 \times 6 = 24$, $6 \times 4 = 24$
 $24 \div 4 = 6$, $24 \div 6 = 4$

- 21** $3 \times 7 = 21$, $7 \times 3 = 21$
 $21 \div 3 = 7$, $21 \div 7 = 3$

- 22** (a) 18 (b) 12
(c) 16 (d) 24
(e) 40 (f) 80

- 23** (a) 6 (b) 2
(c) 4 (d) 5
(e) 9 (f) 9

- 24** (a) $25 \div 5 = 5$
Each piece of ribbon is 5 in long.
(b) $2 \times 4 = 8$ or $4 \times 2 = 8$
He paid \$8 for the notebooks.