

Placement Test for *Math in Focus 2A*

1. Write $<$, $>$, or $=$ in each \bigcirc .

a. $98 \bigcirc 357$

b. $875 \bigcirc 857$

c. $280 + 10 \bigcirc 300$

d. $400 + 35 \bigcirc 405 + 30$

2. Arrange the numbers 215, 521, 125, and 512 in order, beginning with the smallest.

_____ / _____ / _____ / _____

3. Complete the following regular number patterns.

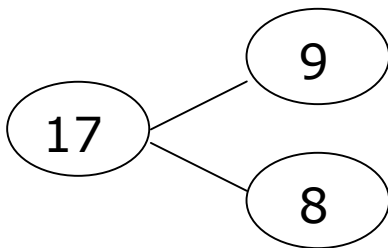
a.

755	745	735	725			
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b.

322	324	326	328			
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4. Complete the fact family.



$9 + 8 = \underline{\quad}$

$\underline{\quad} + \underline{\quad} = \underline{\quad}$

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

$\underline{\quad} - \underline{\quad} = \underline{\quad}$

5. Write the number in word form.

812 _____

6. Add or subtract mentally.

a. $65 + 21 = \underline{\hspace{2cm}}$

b. $60 + 90 = \underline{\hspace{2cm}}$

c. $315 + 68 = \underline{\hspace{2cm}}$

d. $450 - 25 = \underline{\hspace{2cm}}$

e. $800 - 42 = \underline{\hspace{2cm}}$

f. $590 - 60 = \underline{\hspace{2cm}}$

7. Add or subtract.

a.
$$\begin{array}{r} 643 \\ + 157 \\ \hline \end{array}$$

b.
$$\begin{array}{r} 598 \\ + 364 \\ \hline \end{array}$$

c.
$$\begin{array}{r} 795 \\ - 286 \\ \hline \end{array}$$


d.
$$\begin{array}{r} 312 \\ - 54 \\ \hline \end{array}$$

e.
$$\begin{array}{r} 333 \\ - 222 \\ \hline \end{array}$$


f.
$$\begin{array}{r} 113 \\ 77 \\ + 201 \\ \hline \end{array}$$


8. Fill in the blanks.


a.  +  +  +  +  = 40

 =

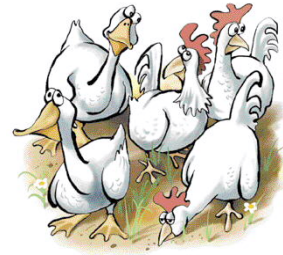
b.  x  = 100

 =

c. $24 \div 4 =$ 

 x 10 =

9. 217 ducks and 360 chickens are on the farm.
How many more chickens than ducks are on the farm?



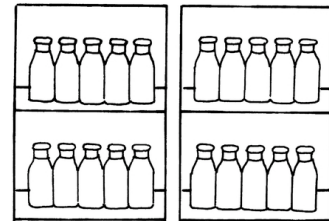
There are _____ more chickens than ducks.

10. Felipe has 653 pennies. He put 275 pennies in a jar.
How many pennies are not in the jar?



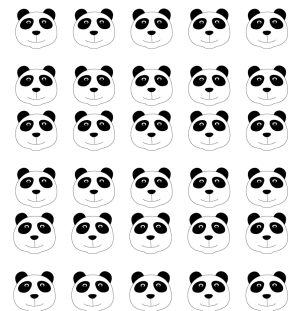
_____ pennies are not in the jar.

11. The store has 4 shelves of milk. Each shelf holds 5 bottles.
How many bottles does the store have?



The store has _____ bottles of milk.

12. 30 pandas live in 6 trees. An equal number of pandas live in each tree.
How many pandas live in each tree?



_____ pandas live in each tree.

13. Circle the word that correctly completes each sentence.

a. If you measure your arm in inches, centimeters, and feet, the number of _____ will be greatest.

inches centimeters feet

b. 28 grams is about the same as 1 _____.

pound kilo ounce

c. This room is 15 _____ wide.

feet inches centimeters

d. A football field is 100 _____ long.

yards inches meters

e. The necklace is 18 _____ long.

yards meters inches

f. The pear weighs about 6 _____.

pounds ounces grams










g. My teacher is about 170 _____ tall.

meters yards centimeters





h. The watermelon weighs about 3 _____.

grams ounces kilos

14. Each sea creature stands for a different number. Each number is less than 5. Use the space provided to solve each problem.

	-		=		_____	-	_____	=	_____
	+		=		_____	+	_____	=	_____
	+		=		_____	+	_____	=	_____

What number does each sea creature stand for?

	=	_____		=	_____
	=	_____		=	_____

15. Write $<$, $>$, or $=$ in each \bigcirc .

a. $3 \times 4 \bigcirc 3 + 4$

b. $5 \times 4 \bigcirc 20 \div 4$

c. $7 \times 5 \bigcirc 5 \times 7$

d. $6 + 6 + 6 \bigcirc 9 \times 3$

16. Fill in the blanks.

a. $5 \times 6 = \underline{\hspace{2cm}}$

b. $8 \times 2 = \underline{\hspace{2cm}}$

c. $7 \times 3 = \underline{\hspace{2cm}}$

d. $4 \times 6 = \underline{\hspace{2cm}}$

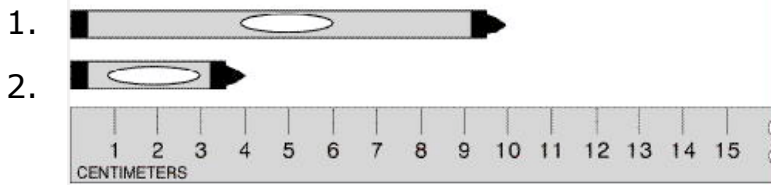
e. $18 \div 2 = \underline{\hspace{2cm}}$

f. $24 \div 8 = \underline{\hspace{2cm}}$

g. $50 \div 5 = \underline{\hspace{2cm}}$

h. $16 \div 4 = \underline{\hspace{2cm}}$

17. Fill in the blanks.



a. Marker 1 is _____ centimeters longer than marker 2.

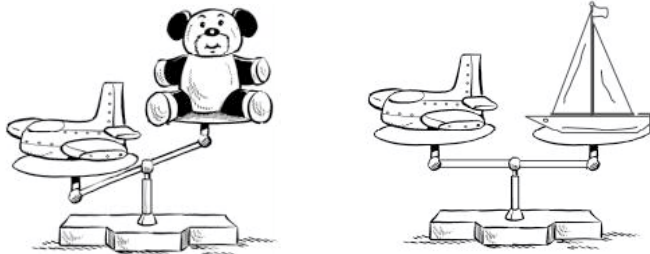
b. The total length of the 2 markers is _____ centimeters.

18. Monica used 35 centimeters of wax paper, 63 centimeters of aluminum foil, and 12 centimeters of plastic wrap. How many centimeters did she use all together?



She used _____ centimeters.

19. Circle the word that correctly completes each sentence.



a. The sailboat is _____ the airplane.

heavier than lighter than as heavy as

b. The airplane is _____ the bear.

heavier than lighter than as heavy as

c. The bear is _____ the sailboat.

heavier than lighter than as heavy as

Math in Focus 2A 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 2B.

1. (4 points)

- a. <
- b. >
- c. <
- d. =

2. (2 points)

125, 215, 512, 521

3. (2 points)

- a. 715, 705, 695
- b. 330, 332, 334

4. (2 points)

$9 + 8 = 17$
 $8 + 9 = 17$
 $17 - 8 = 9$
 $17 - 9 = 8$

5. (1 point)

eight hundred twelve

6. (12 points)

- a. 86
- b. 150
- c. 383
- d. 425
- e. 758
- f. 530

7. (12 points)

- a. 800
- b. 962
- c. 509
- d. 258
- e. 111
- f. 391

8. (3 points)

- a. 8
- b. 10
- c. 60

9. (2 points)

There are 143 more chickens than ducks.

10. (2 points)

378 pennies are not in the jar.

11. (2 points)

The store has 20 bottles of milk.

12. (2 points)





5 pandas live in each tree.

13. (16 points)

- a. centimeters
- b. ounce
- c. feet
- d. yards
- e. inches
- f. ounces
- g. centimeters
- h. kilos

14. (8 points)

$4 - 2 = 2$
 $1 + 2 = 3$
 $3 + 1 = 4$

	=	<u>3</u>		=	<u>4</u>
	=	<u>1</u>		=	<u>2</u>

15. (4 points)

- a. >
- b. >
- c. =
- d. <

16. (16 points)

- a. 30
- b. 16
- c. 21
- d. 24
- e. 9
- f. 3
- g. 10
- h. 4

17. (2 points)

- a. Marker 1 is 6 centimeters longer than marker 2.
- b. The total length of the 2 markers is 14 centimeters.

18. (2 points)

She used 110 centimeters.

19. (6 points)

- a. as heavy as
- b. heavier than
- c. lighter than