

Placement Test for *Math in Focus 2B*

1. Add or subtract mentally.

a. $64 + 36 = \underline{\quad}$

b. $35 + 99 = \underline{\quad}$

c. $777 + 66 = \underline{\quad}$

d. $354 + 250 = \underline{\quad}$

e. $435 + 319 = \underline{\quad}$

f. $69 + 856 = \underline{\quad}$

g. $76 - 57 = \underline{\quad}$

h. $650 - 60 = \underline{\quad}$

i. $999 - 420 = \underline{\quad}$

j. $405 - 16 = \underline{\quad}$

k. $800 - 99 = \underline{\quad}$

l. $322 - 41 = \underline{\quad}$

2. Complete these problems with the missing numbers.

a. $\underline{\quad} + 33 = 60$

b. $53 + \underline{\quad} = 100$

c. $\underline{\quad} - 44 = 82$

d. $49 - \underline{\quad} = 16$

3. 24 glasses of lemonade were divided among some people. Each person drank 4 glasses of lemonade. How many people were there?



There were $\underline{\quad}$ people.

4. 5 pounds of apples cost \$25. How much is 1 pound of apples?



1 pound of apples is \$ $\underline{\quad}$.

5. Mark is reading a book. He has read 12 pages each day for 2 weeks. He still has 36 pages to read.

a. How many pages has he read so far?

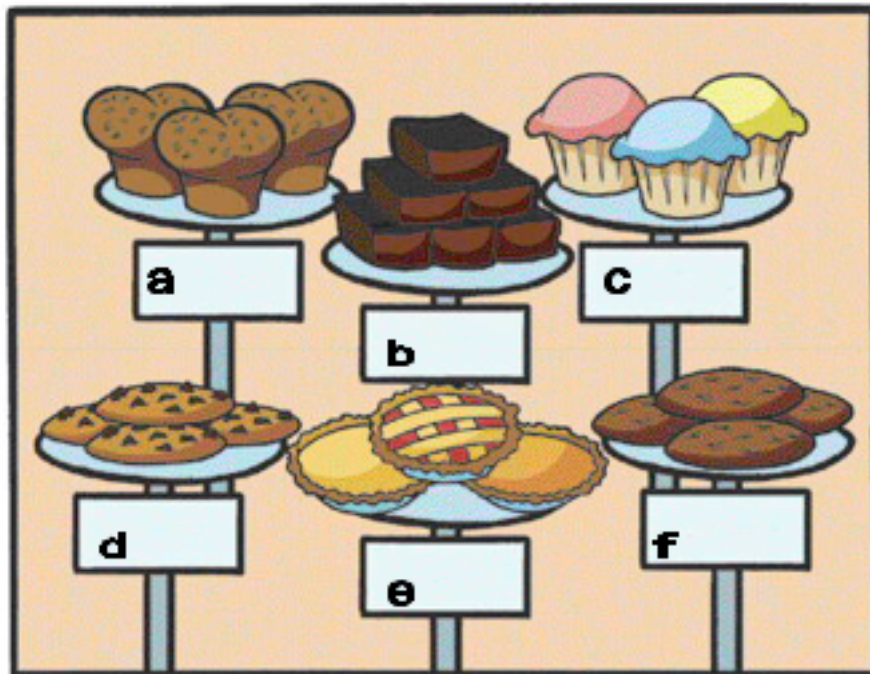
He has read _____ pages.

b. How many pages are in the book?

There are _____ pages in the book.



6. Write the prices of a single item under each treat.



- a. 3 muffins cost \$6.
b. 6 brownies cost \$24.
c. 3 cupcakes cost \$9.
d. 4 chocolate chip cookies cost \$16.
e. 3 pies cost \$18.
f. 4 oatmeal cookies cost \$12.

7. Fill in the blanks.

a. $525\text{¢} = \$$ _____

b. $\$7.98 =$ _____ ¢

8. Add or subtract.

a.
$$\begin{array}{r} \$7.49 \\ + \$3.57 \\ \hline \end{array}$$

b.
$$\begin{array}{r} \$4.50 \\ + \$3.25 \\ \hline \end{array}$$

c.
$$\begin{array}{r} \$7.95 \\ - \$2.89 \\ \hline \end{array}$$

9. Billy bought a toy car for \$2.49 and a flashlight for \$1.85. He gave the cashier 5 one-dollar bills. How much change did he get back?



Billy got back _____ in change.

10. The hammer costs \$3.75. The screwdriver costs \$2.65. How much more does the hammer cost than the screwdriver?



The hammer costs _____ more.

11. Use mental math to solve.

a. $\$7.05 + \$2.95 =$ _____

b. $\$6.50 + 15\text{¢} =$ _____

b. $\$15.00 - \$3.70 =$ _____

d. $\$7.29 - 39\text{¢} =$ _____

12. How much money is pictured below? \$ _____.



13. Arrange these fractions in order, beginning with the smallest.

$\frac{1}{2}$ $\frac{1}{5}$ $\frac{1}{3}$ $\frac{1}{8}$

_____ / _____ / _____ / _____

14. What is the fraction of striped tee shirts in this group? Circle the correct answer.



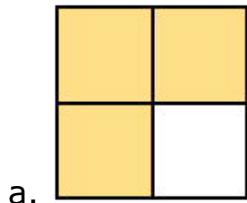
$\frac{2}{3}$ $\frac{1}{2}$ $\frac{3}{5}$ $\frac{2}{5}$

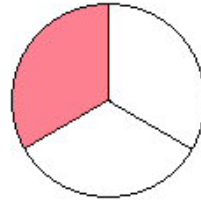
15. What is the fraction of yellow flowers in this group? Circle the correct answer.



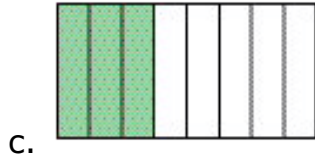
$\frac{1}{3}$ $\frac{2}{3}$ $\frac{5}{9}$ $\frac{3}{5}$

16. What fractions of these shapes are shaded? Write the fractions.

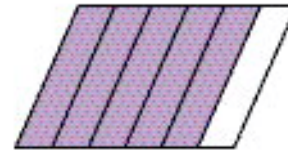




b.

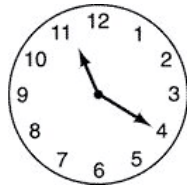


c.



d.

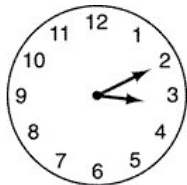
17. Fill in the blanks.



It is _____:_____.

It is _____ minutes to _____.

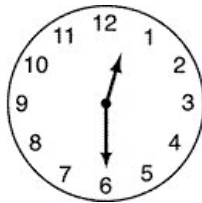
a.



Melissa left school at 3:10. It took 15 minutes for her to walk home.

She arrived at _____:_____.

b.

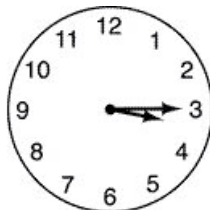


Lisa's flight left at 12:30 A.M. and arrived two hours later.

It arrived at _____:_____

Was it A.M. or P.M.? _____

c.



A movie started at 3:15 and ended at 5:00. How many minutes long was it?

It was _____ minutes long.

d.

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

a. 2 days \bigcirc 24 hours

b. 12 weeks \bigcirc 4 months

c. 27 days \bigcirc 1 month

d. 60 minutes \bigcirc 1 hour

e. 1 quart \bigcirc 1 liter

f. 1 gallon \bigcirc 3 quarts

g. 1 quart \bigcirc 2 pints

h. 1 pint \bigcirc 3 cups

19. These jugs contain 1 gallon of water each. How many quarts of water are there all together?



There are _____ quarts of water.

20. Look at the pattern of beads. Then circle your answers to the questions below.



a. If the pattern continues, what kind of bead comes next?

pink stripes

blue with white dots

solid green

b. After the next bead, what kind of bead follows?

pink stripes

blue with white dots

solid green

c. What kind of bead is the last bead?

pink stripes

blue with white dots

solid green

21. Circle the correct answers.

a. The faces on a pyramid are shaped like _____.

squares triangles circles rectangles







b. The faces on a cube are shaped like _____.

squares triangles circles rectangles

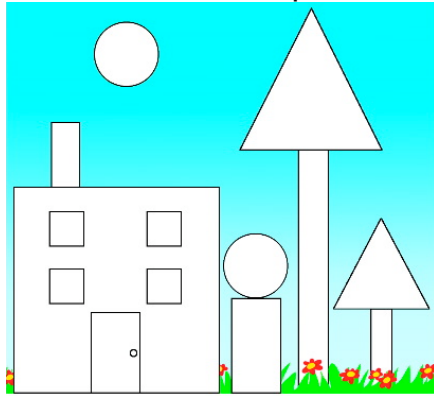
c. The faces on a cylinder are shaped like _____.

squares triangles circles rectangles

22. Draw lines to match the shapes with their names.

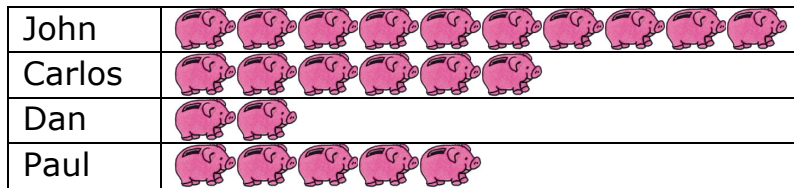
	•	• cylinder
	•	• cone
	•	• sphere
	•	• pyramid
	•	• rectangular prism
	•	• cube

23. Count how many of each white shape there are in this drawing.



- a. _____ circles b. _____ squares
 c. _____ triangles d. _____ rectangles

24. This picture graph shows how much money four boys have saved.



Each stands for 6 dollars.

- a. John has _____ more dollars than Paul.
 b. Dan has _____ dollars less than Carlos.
 c. Carlos wants to buy some toy cars. Each one costs \$3.
 How many cars can he buy? He can buy _____ toy cars.
 d. All together, the boys have \$_____.

25. Fill in the blanks.

- a. $4 \times 8 =$ _____ b. $10 \times 7 =$ _____
 c. $5 \times 9 =$ _____ d. $5 \times 5 =$ _____
 e. $24 \div 3 =$ _____ f. $27 \div 3 =$ _____
 g. $75 \div 5 =$ _____ h. $60 \div 10 =$ _____

Math in Focus 2B 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 3A.

1. (12 points)
 - a. 100
 - b. 134
 - c. 843
 - d. 604
 - e. 754
 - f. 925
 - g. 19
 - h. 590
 - i. 579
 - j. 389
 - k. 701
 - l. 281
2. (4 points)
 - a. 27
 - b. 47
 - c. 126
 - d. 33
3. (2 points)

There were 6 people.
4. (2 points)

1 pound of apples is \$5.
5. (4 points)
 - a. He has read 168 pages.
 - b. There are 204 pages in the book.
6. (6 points)
 - a. \$2
 - b. \$4
 - c. \$3
 - d. \$4
 - e. \$6
 - f. \$3
7. (2 points)
 - a. \$5.25
 - b. 798¢
8. (3 points)
 - a. \$11.06
 - b. \$7.75
 - c. \$5.06
9. (2 points)

Billy got back 66¢ in change.
10. (2 points)

The hammer costs \$1.10 more.
11. (4 points)
 - a. \$10.00
 - b. \$6.65
 - c. \$11.30
 - d. \$6.90
12. (2 points)

\$17.95
13. (4 points)

$\frac{1}{8}$, $\frac{1}{5}$, $\frac{1}{3}$, $\frac{1}{2}$
14. (1 point)

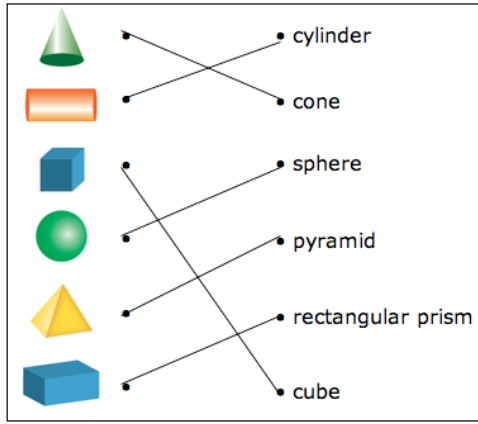
$\frac{3}{5}$
15. (1 point)

$\frac{1}{3}$
16. (4 points)
 - a. $\frac{3}{4}$
 - b. $\frac{1}{3}$
 - c. $\frac{3}{8}$
 - d. $\frac{5}{6}$
17. (6 points)
 - a. It is 11:20.
It is 40 minutes to 12:00.
 - b. She arrived at 3:25.
 - c. It arrived at 2:30 a.m.
 - d. It was 105 minutes long.
18. (8 points)
 - a. >
 - b. <
 - c. <
 - d. =
 - e. <
 - f. >
 - g. =
 - h. <
19. (2 points)

There are 12 quarts of water.
20. (3 points)
 - a. blue with white dots
 - b. pink stripes
 - c. solid green

21. (3 points)
- a. triangles
 - b. squares
 - c. circles

22. (6 points)



23. (4 points)
- a. 2
 - b. 5
 - c. 2
 - d. 5

24. (4 points)
- a. John has 30 more dollars than Paul.
 - b. Dan has 24 dollars less than Carlos.
 - c. He can buy 12 toy cars.
 - d. All together, the boys have \$138.

25. (8 points)
- a. 32
 - b. 70
 - c. 45
 - d. 25
 - e. 8
 - f. 9
 - g. 15
 - h. 6