

# Summer Math Packet

Third going into fourth

- 1.** What is the standard form of  $6 + 200 + 9,000$ ?
- (A) 926      (B) 9,026      (C) 9,206      (D) 9,260
- 2.** Which of these numbers is the least?
- (A) 3,659      (B) 3,569      (C) 3,596      (D) 3,956
- 3.** When 3,173 is added to 4,141, which digit is in the tens place of the answer?
- (A) 1      (B) 3      (C) 4      (D) 7
- 4.** Estimate the value of  $1,783 + 624$  by rounding each number to the nearest hundred.
- (A) 2,390      (B) 2,400      (C) 2,410      (D) 2,412

Name: \_\_\_\_\_ Date: \_\_\_\_\_

- 5.** Add 3,699 and 2,405.  
(A) 1,294 (B) 5,004 (C) 5,104 (D) 6,104
- 6.** Find the difference between 5,006 and 1,887.  
(A) 3,119 (B) 4,221 (C) 6,883 (D) 6,893
- 7.**  $5,637 + 98 = ?$   
(A)  $5,637 - 2$  (B)  $5,737 - 2$   
(C)  $5,737 + 2$  (D)  $5,637 + 2$
- 8.**  $6,344 - 4,538 = ?$   
(A)  $100 + 60 + 8$  (B)  $1,000 + 800 + 6$   
(C)  $1,000 + 600 + 8$  (D)  $1,000 + 800 + 8$
- 9.** Mr. Taylor earns \$2,850.  
Mr. Blake earns \$945 less than Mr. Taylor.  
How much do they earn in all?  
(A) \$1,905 (B) \$3,795 (C) \$4,755 (D) \$6,645

Name: \_\_\_\_\_

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10. There are 260 members in a chess club.  
186 of them are boys.  
How many more boys than girls are there?
- (A) 62      (B) 74      (C) 112      (D) 186

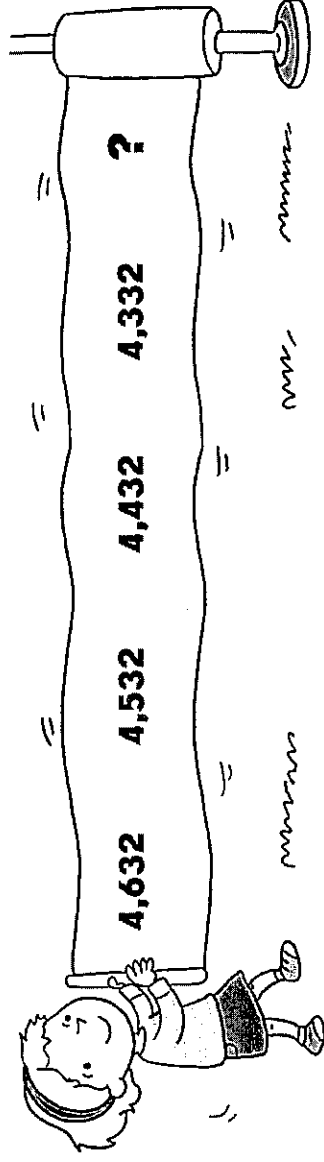
### Short Answer

Write the answer in the space given.

11. Write seven thousand, forty-one in standard form.
- \_\_\_\_\_

12. In 4,765, what is the value of the digit 4?
- \_\_\_\_\_

13. What is the next number in the number pattern?



Name: \_\_\_\_\_ Date: \_\_\_\_\_

- 14.** A wholesaler buys 9,568 pounds of rice.  
Round this amount to the nearest 100 pounds.

\_\_\_\_\_ lb

- 15.** Find the sum of 7,598 and 1,234.

\_\_\_\_\_

- 16.** What number belongs in the box?

$$6,971 = \square + 2,384$$

\_\_\_\_\_

- 17.** The digits in the boxes are the same.  
What is the missing digit?

$$\begin{array}{r} \square, 4 \ 3 \ 5 \\ + 2, \square \ 8 \ 9 \\ \hline 9, 1 \ 2 \ 4 \end{array}$$

\_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

**18.** What number must be added to 5,555 to get 7,000?  
\_\_\_\_\_

**19.** A can of mushroom soup has a mass of 504 grams.  
The mass of a can of tomato soup is 217 grams less than  
the mass of the mushroom soup.  
What is the mass of the can of tomato soup?  
\_\_\_\_\_ g

**20.** Claire scores 2,586 points in a computer game.  
Hanson scores 829 fewer points in the same game.  
How many points did they score in all?  
\_\_\_\_\_ points

Name: \_\_\_\_\_

Date: \_\_\_\_\_

## Extended Response

**Solve. Show your work.**

- 21.** Mavis had 4,405 mangoes and oranges.  
She sold 1,396 mangoes and 1,210 oranges at the market.  
How many fruits does Mavis have left?

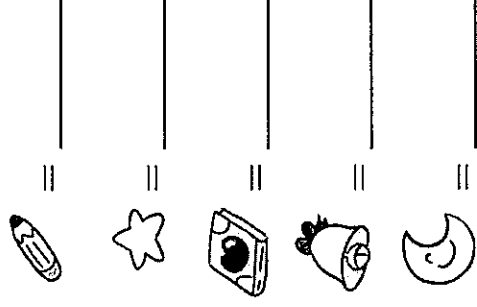
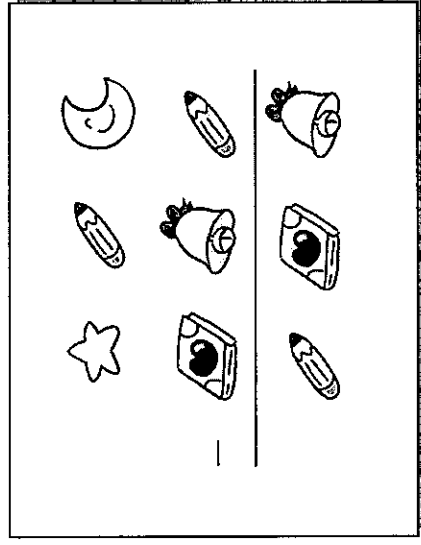
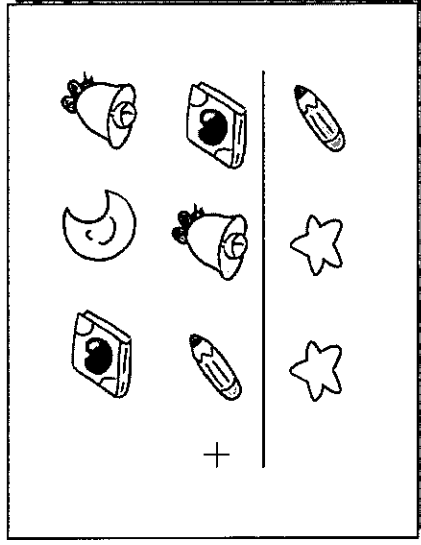
Mavis has \_\_\_\_\_ fruits left.

- 22.** The total cost of a television set and a DVD player is \$1,987.  
The DVD player costs \$658.  
What is the difference in price between the two items?

The difference in price between the two items is \$\_\_\_\_\_.

## Solve.

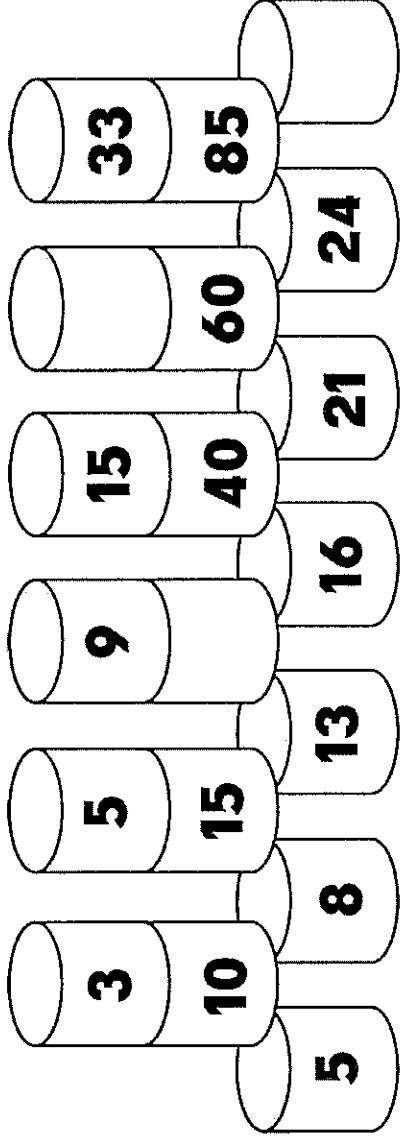
1. What number does each of these symbols represent?  
Use the numbers from 1 through 5.





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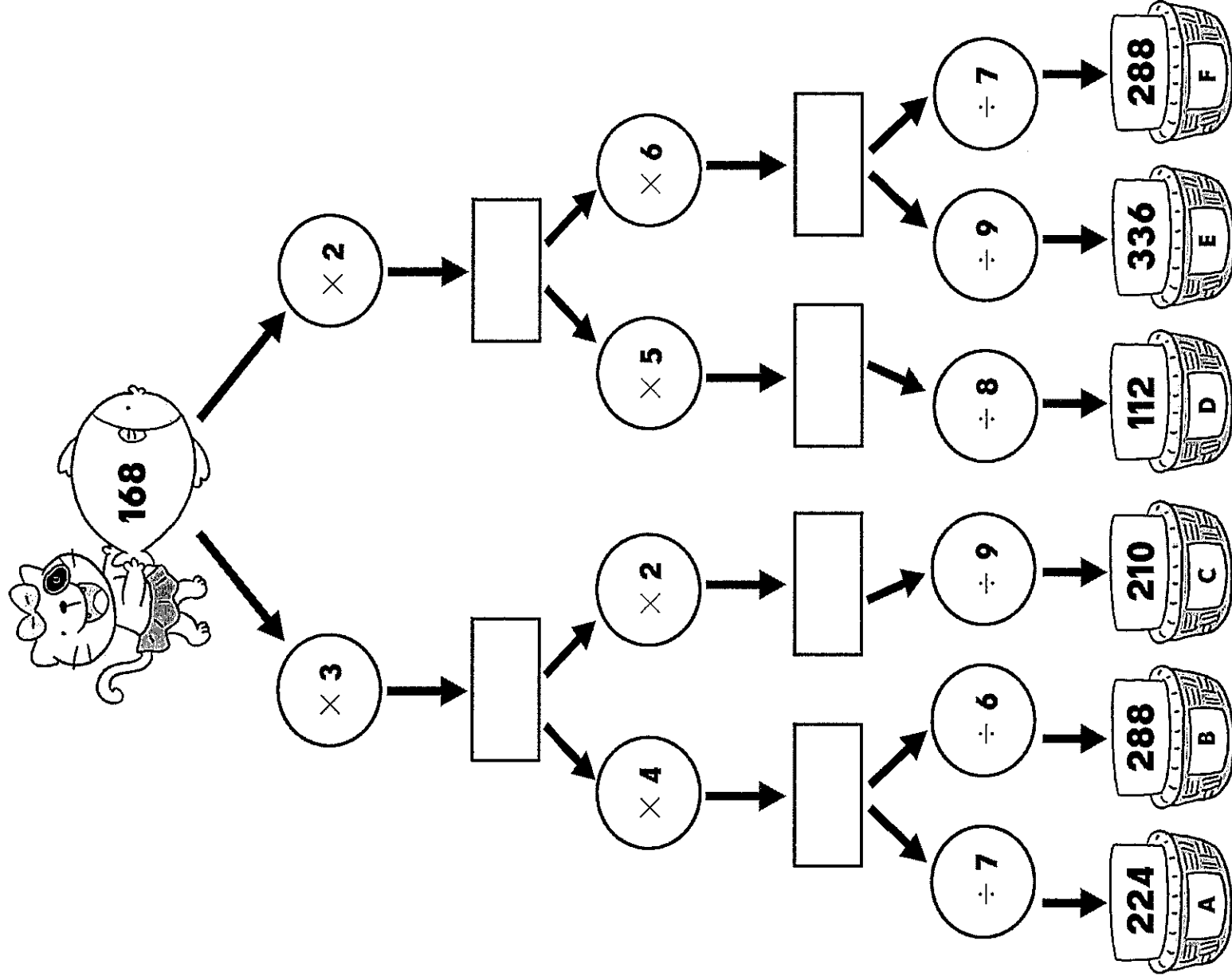
2. In each row, there is a can which does not have a number.  
Fill in the missing numbers to complete the pattern.



Name: \_\_\_\_\_

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- 3.** Starting with the fish marked 168, follow each arrow.  
Fill in the boxes with the correct answers.  
Only one path leads to the correct basket.  
Color the basket.



- 1.** In 1,865 and 5,168, which digit in both numbers has the same place value?  
(A) 1      (B) 5      (C) 6      (D) 8
- 2.** What is five thousand, five hundred five in standard form?  
(A) 5,055      (B) 5,505      (C) 5,550      (D) 5,555
- 3.** Which of the following is equal to 1,001?  
(A)  $10 + 0 + 0 + 1$       (B)  $100 + 0 + 1$   
(C)  $999 + 1 + 1$       (D)  $1,000 - 1$
- 4.** Mr. Anderson bought a mobile phone and a digital camera for \$1,378. The digital camera cost \$889. Round the cost of the mobile phone to the nearest hundred.  
(A) \$400      (B) \$500      (C) \$600      (D) \$700
- 5.** What is the missing number?  
 $736 + 47 = 700 + \square$   
(A) 83      (B) 89      (C) 783      (D) 789

Name: \_\_\_\_\_ Date: \_\_\_\_\_

6. What is the missing number?

$$597 + 58 = \square - 50$$

- (A) 605    (B) 645    (C) 655    (D) 705

7. What is the missing number?

$$456 - 98 = \square - 100$$

- (A) 258    (B) 358    (C) 458    (D) 558

8.

Rick has 352 marbles.

Madison has 113 more marbles than Rick.

Grace has 12 more marbles than Madison.

How many marbles does Grace have?

- (A) 227    (B) 257    (C) 453    (D) 477

9.

There are 2,518 people in a movie theater.

809 are men, 1,005 are women,

and the rest are children.

How many children are there in the movie theater?

- (A) 704    (B) 1,513    (C) 1,614    (D) 1,709

Name: \_\_\_\_\_

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- 10.**  $\square \times 8 = 24 + 8 + 8$   
(A) 5    (B) 6    (C) 16    (D) 40
- 11.**  $56 \div 7 = 2 \times \underline{\hspace{2cm}}$   
(A) 2    (B) 4    (C) 6    (D) 8
- 12.**  $6 \times 9 = 50 \square \square 4$   
What sign belongs in the box?  
(A) +    (B) -    (C)  $\times$     (D)  $\div$
- 13.** Find the product of 745 and 5.  
(A) 3,225    (B) 3,505    (C) 3,525    (D) 3,725

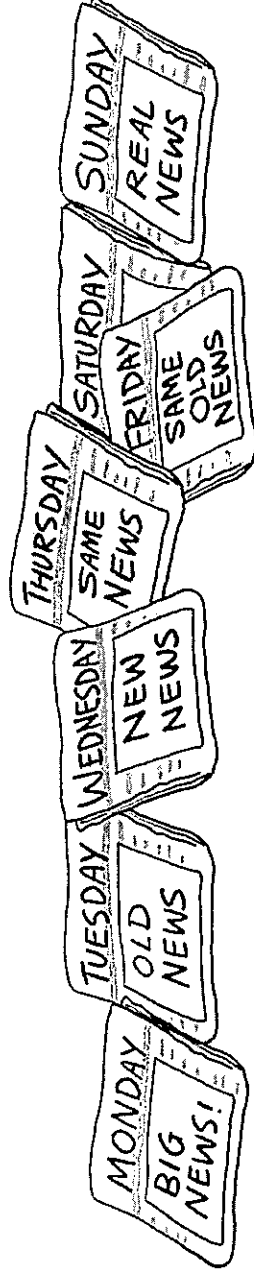
- 14.** Ashley has six times as many ribbons as Sarah.  
Ashley has 186 ribbons.  
How many ribbons does Sarah have?  
(A)  $186 + 6 = 192$     (B)  $186 - 6 = 180$   
(C)  $186 \times 6 = 1,116$     (D)  $186 \div 6 = 31$

- 15.** What is 15 tens divided by 5?  
(A) 3 ones    (B) 30 ones  
(C) 30 tens    (D) 30 hundreds

Name: \_\_\_\_\_ Date: \_\_\_\_\_

16. Which is the least odd number?  
(A) 4,763 (B) 4,376 (C) 4,367 (D) 4,637
17. 89 less than the value of  $58 \times 9$  is \_\_\_\_\_.  
(A) 433 (B) 522 (C) 602 (D) 611

18. Ken sells 938 newspapers in a week.  
An equal number of newspapers are sold each day.  
How many newspapers does Ken sell in a day?



- (A) 134 (B) 244 (C) 931 (D) 6,566
19. Sally has 7 packages of paper plates.  
There are 25 plates in each package.  
Sally uses 106 plates for a party.  
How many plates does Sally have left?  
(A) 69 (B) 81 (C) 175 (D) 281

Name: \_\_\_\_\_

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20. There are 369 boys and 342 girls in a field. They are lined up in 9 equal rows. How many children are there in each row?

(A) 27      (B) 41      (C) 79      (D) 711

### Short Answer

Write the answer in the space given.

21. In the number 8,695, what is the value of the digit 8?

\_\_\_\_\_

22. What number is 100 more than 4,062?

\_\_\_\_\_

23. What is the next number in the number pattern?

**3,791      3,891      3,991      ?**

\_\_\_\_\_

24. What is the missing number?

$$682 - 103 = \square - 3$$

\_\_\_\_\_

Name: \_\_\_\_\_

Date: \_\_\_\_\_

**25.**  $931 + 106 = 900 + \underline{\hspace{2cm}}$

\_\_\_\_\_

**26.**  $622 - 58 = \underline{\hspace{2cm}} + 50$

\_\_\_\_\_

**27.** Add 25 tens and 14 hundreds.

\_\_\_\_\_

**28.** The difference between 2,675 and 2,779

is the same as  $\underline{\hspace{2cm}} \times 8$ .

\_\_\_\_\_

**29.**  $9 + 9 + 9 + 9 = 4 \times \square$

\_\_\_\_\_

**30.**   $\times$   = 49

  $\times$   = 42

What does  stand for?

\_\_\_\_\_

**31.** Divide 72 by 6.

\_\_\_\_\_



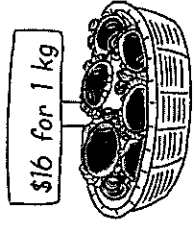
Name: \_\_\_\_\_

Date: \_\_\_\_\_

- 32.** How many eights are there in the sum of 64 and 16?  
\_\_\_\_\_ eights
- 33.** There are 6 boxes, each containing 4 crayons.  
The crayons are shared equally among 8 boys.  
How many crayons does each boy get?  
\_\_\_\_\_ crayons
- 34.** Our hearts beat 72 times a minute.  
How many times do they beat in 6 minutes?  
\_\_\_\_\_ times
- 35.** Elan packs 896 balloons in 9 boxes.  
Each box has the same number of balloons in it.  
How many balloons are left unpacked?  
\_\_\_\_\_ balloons
- 36.**  $340 \times 5 =$  \_\_\_\_\_
- 37.** What are the quotient and the remainder when 875 is divided by 4?  
\_\_\_\_\_  
\_\_\_\_\_
- 38.** Multiply the sum of 375 and 426 by 4.  
\_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

- 39.** After buying 9 kg of crabs, Mrs. Morris has \$110 left.  
How much money did she have at first?



\$ \_\_\_\_\_

- 40.** A fruit seller has 953 oranges.  
He throws 17 rotten oranges away  
and packs 8 oranges into each bag.  
How many bags of oranges does he pack?

\_\_\_\_\_ bags

## Extended Response

**Solve. Show your work.**

- 41.** Maria has 48 pencils.  
She gives the same number of pencils to  
each of her friends and has 3 pencils left.  
Each friend gets 9 pencils. How many friends are there?

There are \_\_\_\_\_ friends.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

- 42.** 831 girls attend a concert.  
There are 257 more girls than boys.  
How many children are at the concert?

\_\_\_\_\_ children are at the concert.

- 43.** Tommy has 528 baseball cards.  
He packs 8 cards into each bag.  
He sells all the cards at \$4 a bag. How much money  
will Tommy earn?

Tommy will earn \$\_\_\_\_\_.

- 44.** A tourist stays 3 nights in a hotel. The hotel costs \$185 for each night.  
The tourist had \$1,400 before the stay in the hotel.  
How much money does he have left after paying his hotel bill?

He has \$\_\_\_\_\_ left.

Name: \_\_\_\_\_ Date: \_\_\_\_\_

- 45.** Andrea has 390 stamps.  
She has 254 fewer stamps than Sally.  
Sally has four times as many stamps as Cole.  
How many stamps does Cole have?

Cole has \_\_\_\_\_ stamps.

1.

	X		=	<b>189</b>
		X		
<b>72</b>	÷		=	<b>9</b>
=		=		=
<b>93</b>		<b>72</b>	=	

**Solve.**

- 2.** During summer vacation, 4 boys work together to wash cars. For each car they wash, they are paid a total of \$6. They work for 4 weeks. Each week they spend a total of \$10. How many cars must they wash in total for each of them to have \$200 (minus expenses) at the end of the summer vacation?

**Fill in the circle next to the correct answer.**

1. Find the missing numerator.

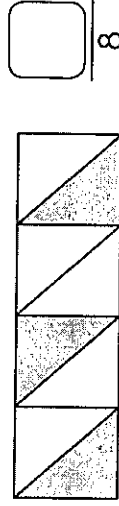
$$\frac{\boxed{\phantom{00}}}{5} = \frac{\phantom{00}}{75}$$

- (A) 15      (B) 35      (C) 45      (D) 73

2. Which fraction is the least?

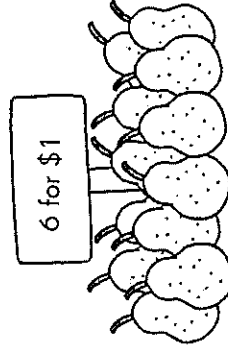
- (A)  $\frac{1}{2}$       (B)  $\frac{3}{4}$       (C)  $\frac{3}{6}$       (D)  $\frac{1}{8}$

3. What fraction of the figure is shaded?  
Find the missing numerator.



- (A) 2      (B) 3      (C) 5      (D) 8

4. A fruit seller receives \$120 for selling pears.  
How many pears did he sell?



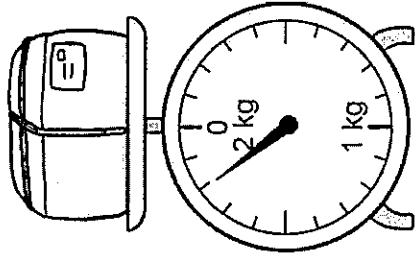
- (A) 20      (B) 114      (C) 126      (D) 720

Name: \_\_\_\_\_ Date: \_\_\_\_\_

5. Larry buys a bag of oranges for \$1.29. He gives the cashier a \$5 bill. How much change does Larry get back?

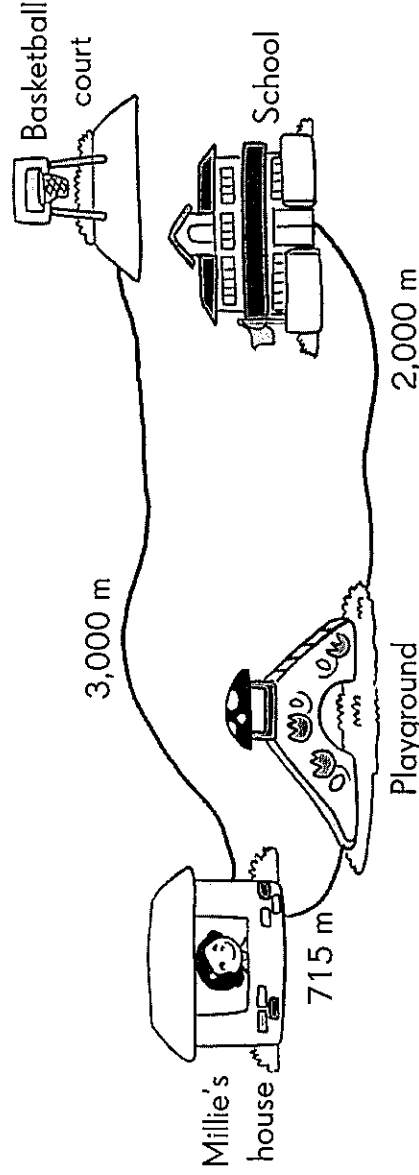
(A) \$3.71    (B) \$3.79    (C) \$3.81    (D) \$4.29

6. What is the mass of the package?



(A) 200 g    (B) 800 g  
(C) 1 kg 530 g    (D) 1 kg 800 g

7. How much farther from Millie's house is the basketball court than the school?



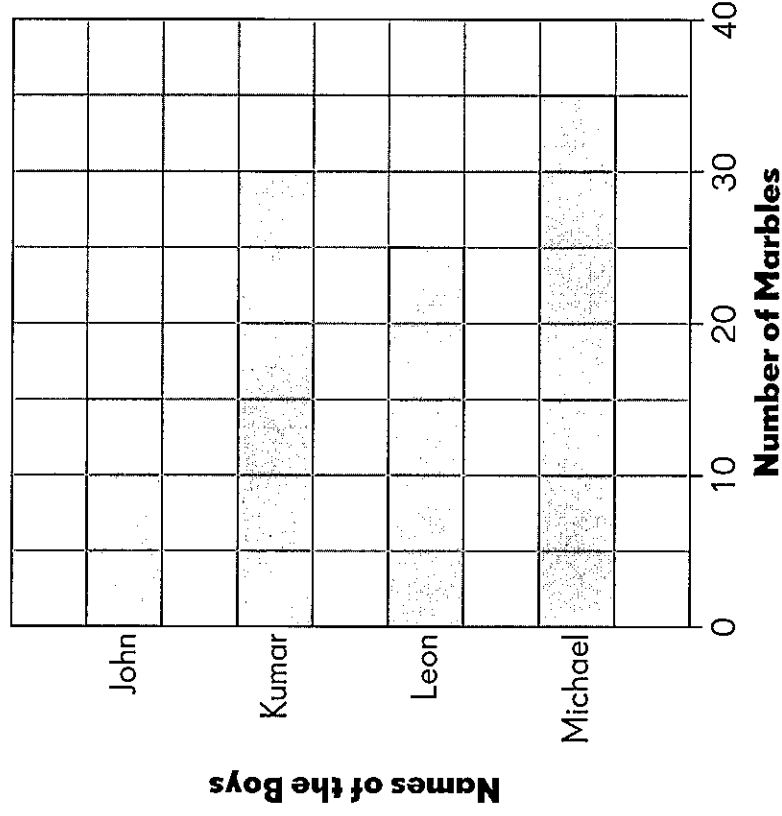
(A) 285 m    (B) 825 m    (C) 1,285 m    (D) 1,715 m

Name: \_\_\_\_\_

Date: \_\_\_\_\_

8. The bar graph shows the number of marbles four boys have. Who has twice as many marbles as John?

**Number of Marbles the Boys Have**



- (A) John    (B) Kumar    (C) Leon    (D) Michael

9. Which pair of fractions is equivalent?

- (A)  $\frac{1}{2}$  and  $\frac{3}{10}$     (B)  $\frac{3}{4}$  and  $\frac{6}{8}$   
(C)  $\frac{1}{4}$  and  $\frac{4}{12}$     (D)  $\frac{5}{6}$  and  $\frac{9}{12}$

10. Which unit of measurement should you use to measure the weight of your cat?

- (A) cups    (B) ounces    (C) inches    (D) pounds



Name: \_\_\_\_\_ Date: \_\_\_\_\_

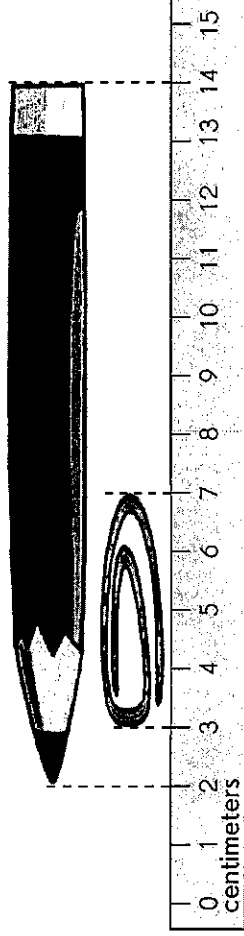
## Short Answer

Write the answer in the space given.

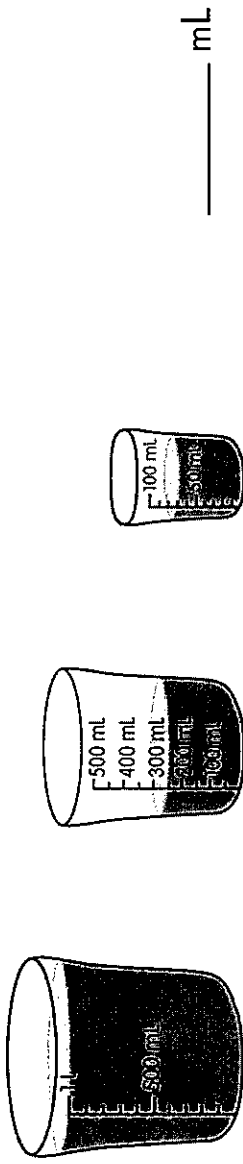
11. Angela uses 5 containers of clay to make a sculpture. Each container of clay has a mass of 142 grams. What is the mass of Angela's sculpture?

\_\_\_\_\_ 9

12. The paper clip is \_\_\_\_\_ centimeters shorter than the pencil.



13. What is the total volume of water in the three containers below?



\_\_\_\_\_ mL

14. There are 265 marbles in a bag. The marbles will be shared equally among 2 boys and 3 girls. How many marbles will each child receive?

\_\_\_\_\_ marbles

15. Find the missing denominator in the fraction below.

$$5 = \frac{35}{\square}$$

Name: \_\_\_\_\_

Date: \_\_\_\_\_

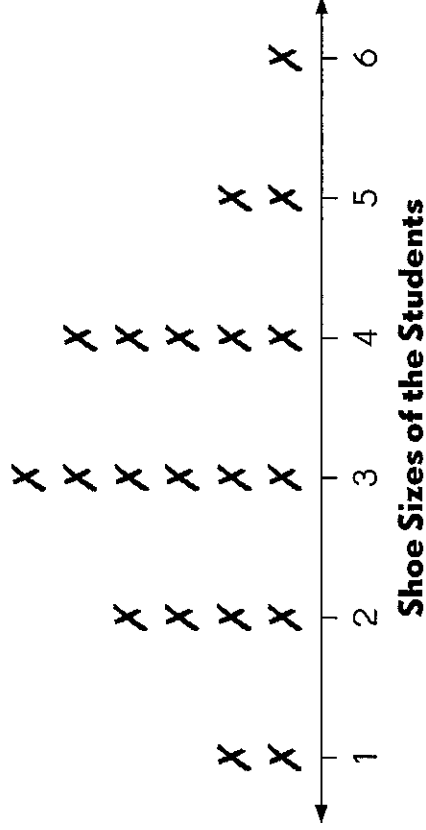
- 16.** Sandy has 15 muffins.  
She gives 4 muffins to her friends.  
What fraction of the muffins does she give to her friends?

\_\_\_\_\_

- 17.** What is  $\frac{2}{5}$  of 20?

\_\_\_\_\_

- 18.** The line plot shows the shoe sizes of all the students in Ms. Ford's class.  
Each **X** stands for 1 student.



How many students in Ms. Ford's class have a shoe size smaller than 3?

\_\_\_\_\_ students

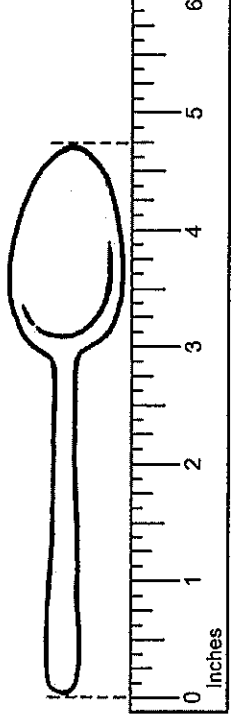
- 19.** Order the fractions from least to greatest.

$$\frac{1}{2} \quad \frac{3}{4} \quad \frac{5}{8}$$

\_\_\_\_\_

Name: \_\_\_\_\_ Date: \_\_\_\_\_

20. Find the length of the spoon to the nearest quarter inch.



\_\_\_\_\_ in.

### Extended Response

**Solve. Show your work.**

21. Mrs. Brighton has been visiting the gym on a regular basis. She now weighs 162 pounds. Six months ago, she weighed 190 pounds. How many pounds did she lose?

Mrs. Brighton lost \_\_\_\_\_ pounds.

22. Jane buys a loaf of bread and a package of cheese. The loaf of bread costs \$1.80. The cheese costs \$0.75 more than the loaf of bread. How much does Jane spend in all?

Jane spends \$\_\_\_\_\_ in all.

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Name: \_\_\_\_\_

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- 23.** A pot contains 1,000 milliliters of oil. Mrs. Raja uses the oil from the pot to fill 6 bottles. Each bottle has a capacity of 160 milliliters. How much oil is left in the pot?

\_\_\_\_\_ milliliters of oil is left in the pot.

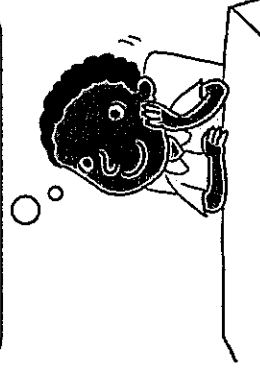


**Solve. Show your work.**

- 1.** Rob wants a regular allowance. His father gives him two options.
- Option 1: His father would give him \$12 a week.
- Option 2: His father would give him 10¢ every Monday. Then, for all the other days in the week, he would give Rob twice the amount he gave him the day before.

Which option should Rob choose in order to get the greater allowance?

\$12 a week or  
10¢ on Monday,  
20¢ on Tuesday, ...?



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2. Ali, Ben, Charlie, Derek, and Erwin are running in a race.

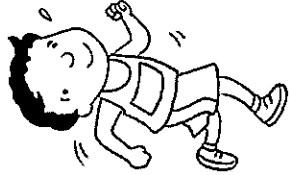
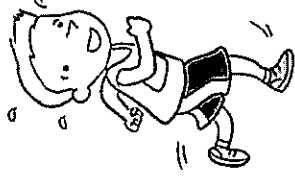
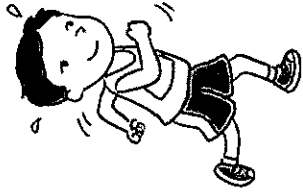
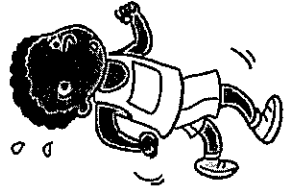
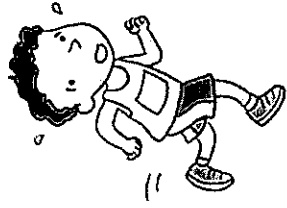
Ali is 60 meters ahead of Ben.

Charlie is 50 meters behind Ali.

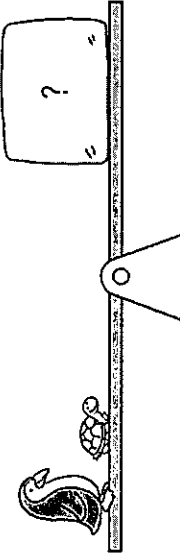
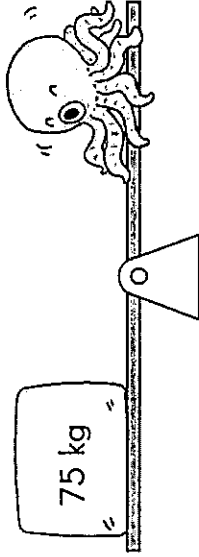
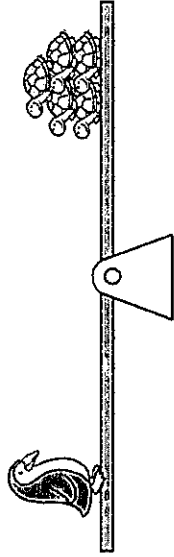
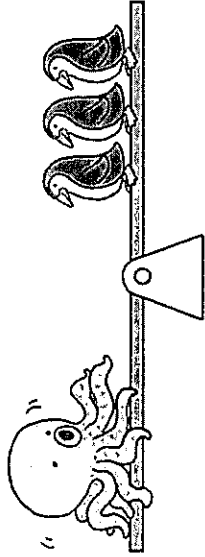
Ben is 40 meters behind Derek.

Erwin is 20 meters ahead of Charlie.

Write the names of the boys in the boxes.



3. What is the total mass of a penguin and a turtle?



\_\_\_\_\_ kg

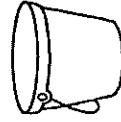
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Date: \_\_\_\_\_

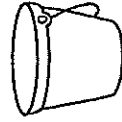
- 4.** Joe, Kayla, Lim, and Morgan are fishing. They catch a total of 20 fish. Each one catches an even number of fish. Joe catches twice as many fish as Kayla. Joe catches the greatest number of fish. Morgan catches fewer than 5 fish. Each child catches a different number of fish. How many fish does each child catch? Write the numbers on their pails and complete the bar graph.



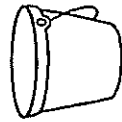
Kayla



Joe



Morgan



Lim



**Fish Caught by the Children**

