

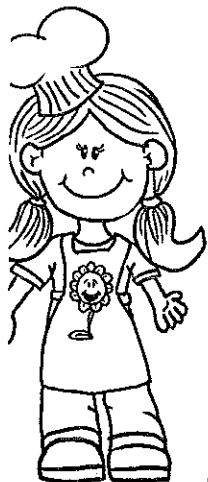


Cupcake Addition



Name _____

Use the cupcakes to help solve the problems.



$1 + 3 = \underline{\hspace{2cm}}$

$2 + 1 = \underline{\hspace{2cm}}$

$1 + 4 = \underline{\hspace{2cm}}$

$3 + 3 = \underline{\hspace{2cm}}$

$2 + 4 = \underline{\hspace{2cm}}$

$3 + 2 = \underline{\hspace{2cm}}$

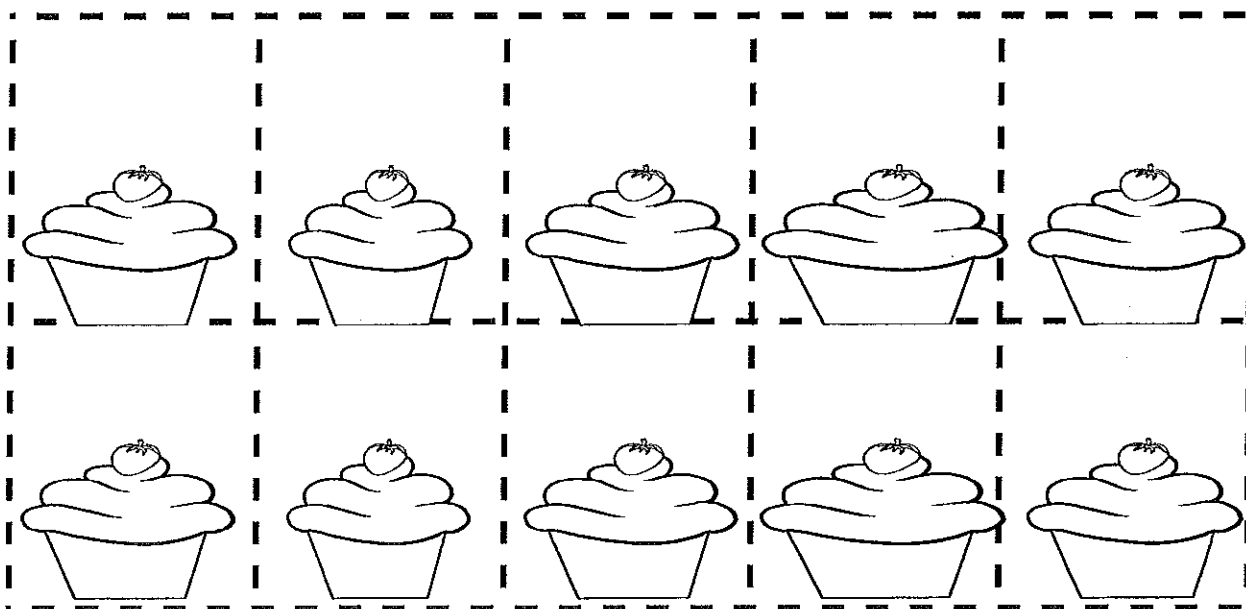
$5 + 3 = \underline{\hspace{2cm}}$

$6 + 4 = \underline{\hspace{2cm}}$

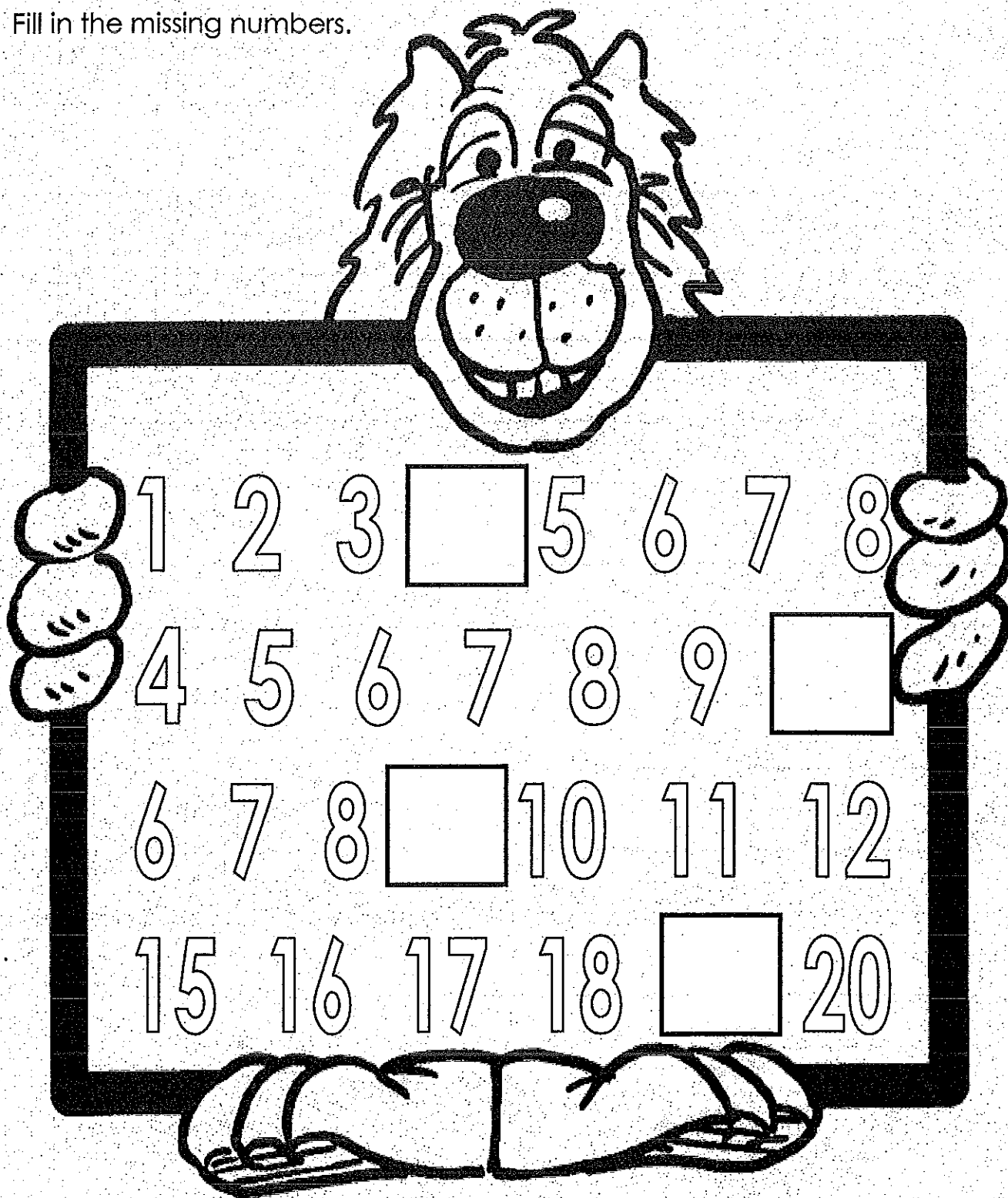


$2 + 8 = \underline{\hspace{2cm}}$

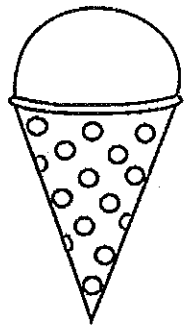
$4 + 5 = \underline{\hspace{2cm}}$



Fill in the missing numbers.

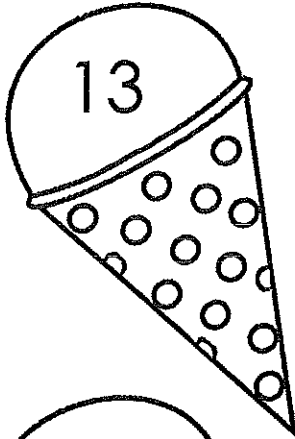


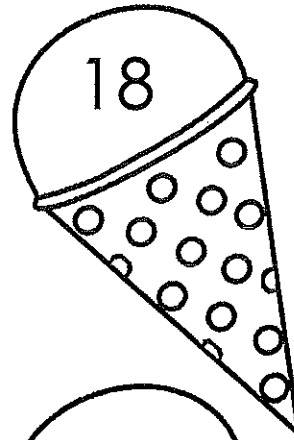
Name: _____

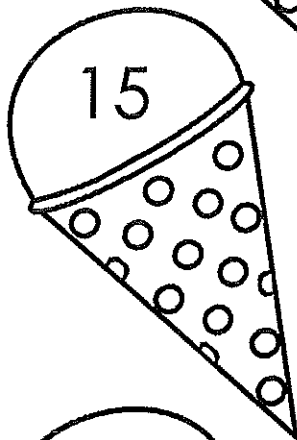


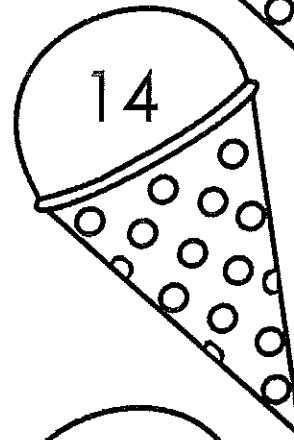
Ten Frames

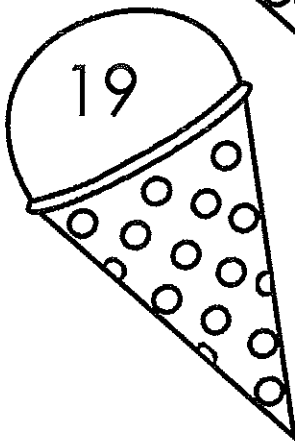
Color the ten frames to match the number on the snow cone.

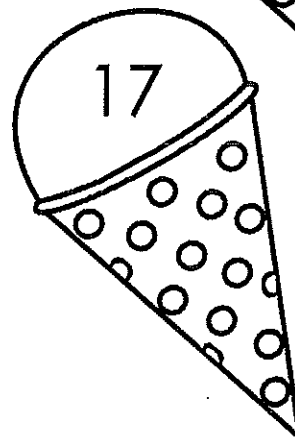


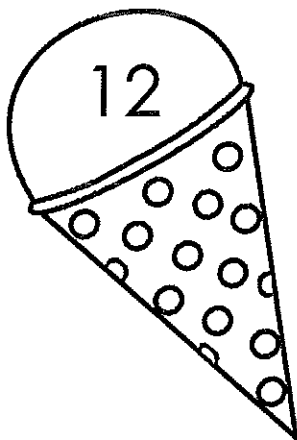


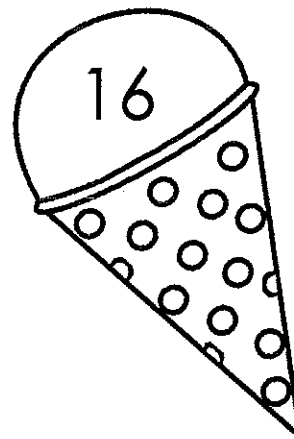








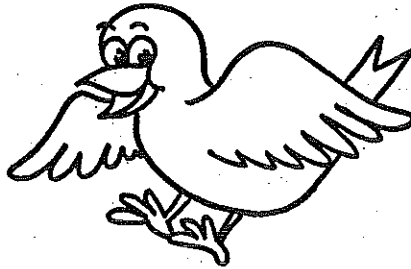
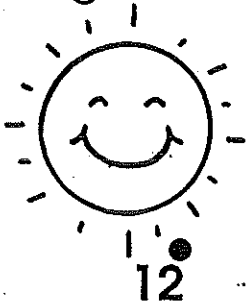




Name _____

Plant a Tree

Count and connect.
Begin at the star.



38

13

15

14

37

36 40

39

12

11

10

9

17

16 35

34 42

41

33

32

44

43

8

7

19

18

31

30

46

45

6

5

21

20

29

28

48

47

4

3

23

22

27

1

2

24

25

26

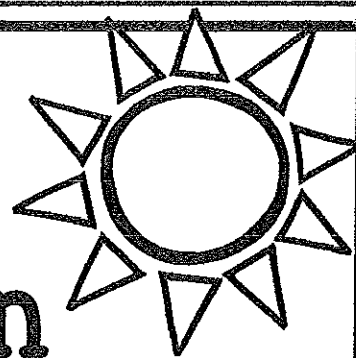
49

50



Teacher: See "Crayon Resist" and "Holiday Mood" on page 1 for suggested activities.

Name: _____



Fun In The Sun

1. $6 + 9 =$ _____

9. $2 + 9 =$ _____

2. $7 + 4 =$ _____

10. $5 + 7 =$ _____

3. $5 + 8 =$ _____

11. $6 + 8 =$ _____

4. $6 + 4 =$ _____

12. $3 + 7 =$ _____

5. $4 + 3 =$ _____

13. $7 + 2 =$ _____

6. $5 + 6 =$ _____

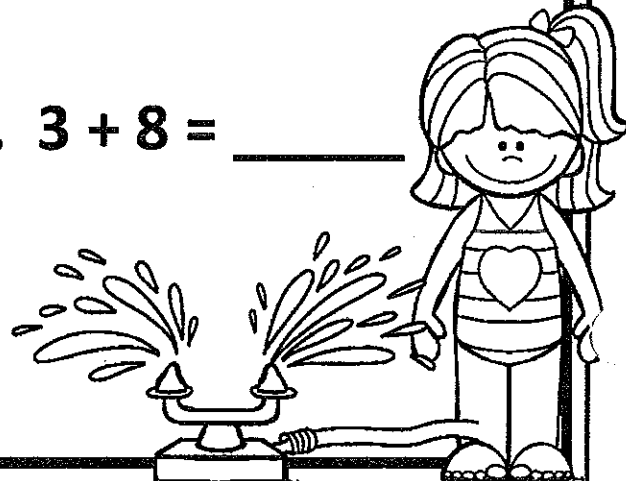
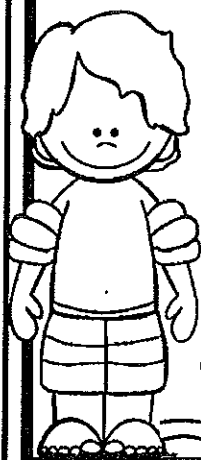
14. $8 + 6 =$ _____

7. $3 + 9 =$ _____

15. $9 + 3 =$ _____

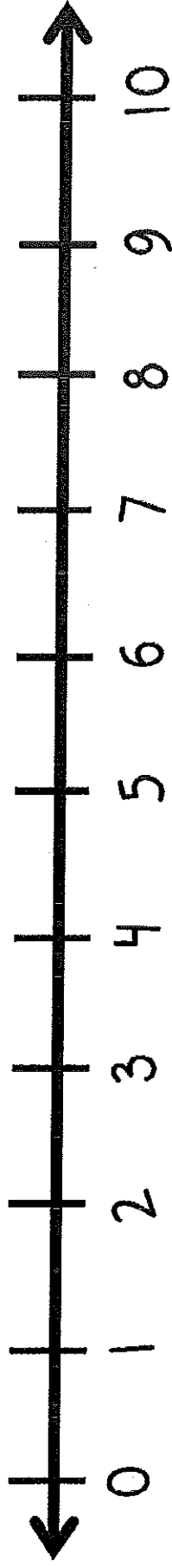
8. $4 + 9 =$ _____

16. $3 + 8 =$ _____



Name _____

Let's Add!



$$3 + 3 = \underline{\quad}$$

$$6 + 3 = \underline{\quad}$$

$$5 + 3 = \underline{\quad}$$

$$5 + 5 = \underline{\quad}$$

$$2 + 1 = \underline{\quad}$$

$$2 + 6 = \underline{\quad}$$

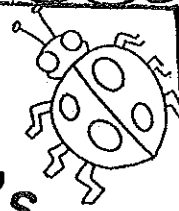
$$6 + 4 = \underline{\quad}$$

$$1 + 3 = \underline{\quad}$$

$$1 + 6 = \underline{\quad}$$

$$4 + 3 = \underline{\quad}$$

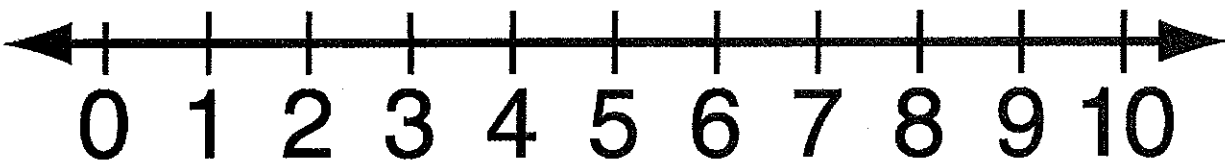
Tad's Bug Jar



Tad put 5 ladybugs in his bug Jar. Tad's sister put 3 more ladybugs in Tad's jar. How many bugs does Tad have in all?

My Picture:

My Number Line:



My Equation:

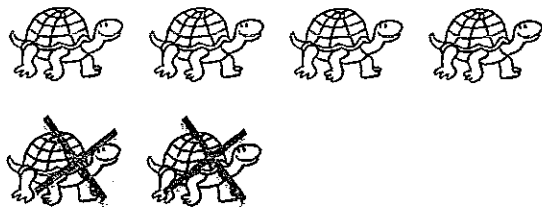
_____ + _____ = _____

My Answer:

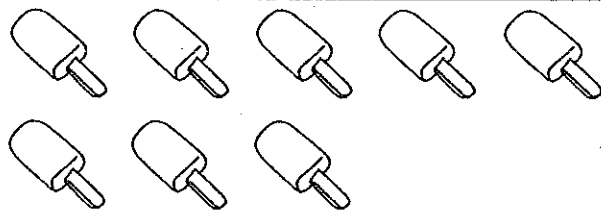
_____ bugs

Complete the subtraction sentence.

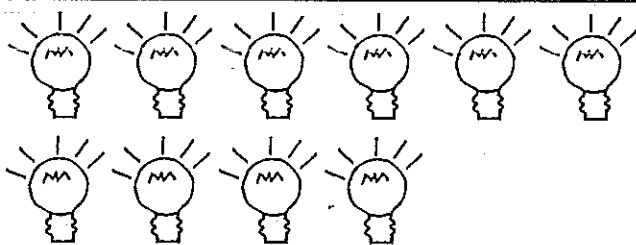
Name _____



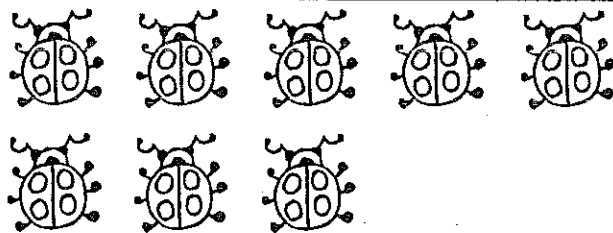
$$\underline{6} - \underline{2} = \underline{4}$$



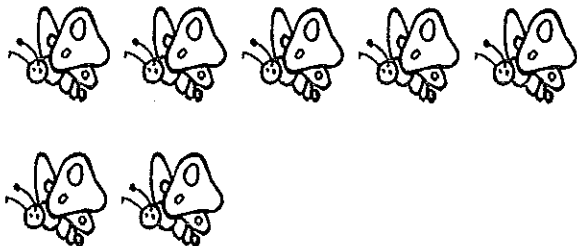
$$\underline{5} - \underline{3} = \underline{\quad}$$



$$\underline{10} - \underline{5} = \underline{\quad}$$



$$\underline{8} - \underline{3} = \underline{\quad}$$



$$\underline{7} - \underline{4} = \underline{\quad}$$



$$\underline{4} - \underline{1} = \underline{\quad}$$

Name _____ Date _____

Diggin' For Bones



Directions: Use the bone picture cards to solve the addition problems.

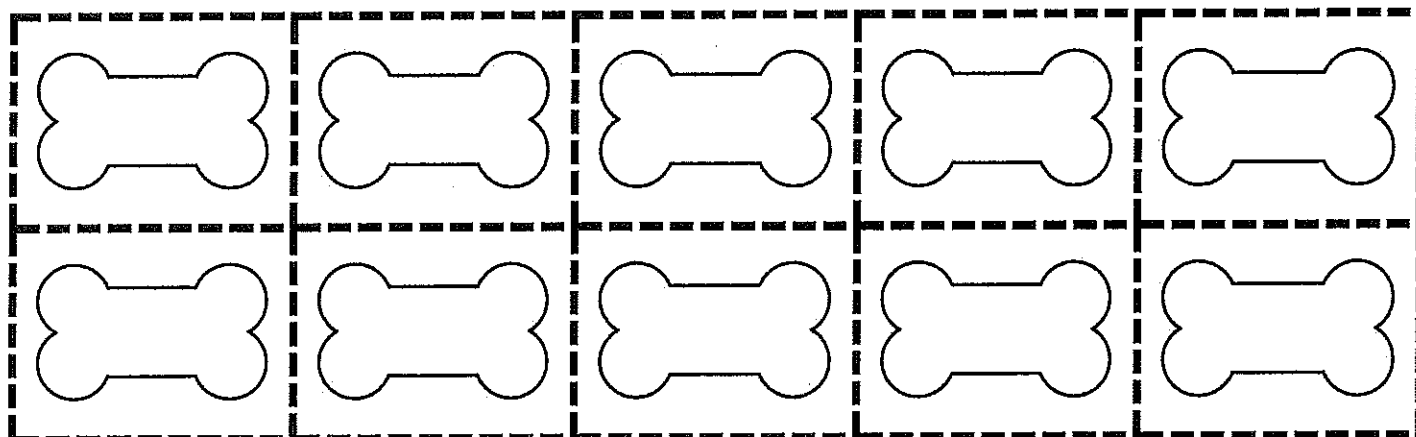
1. $4 + 3 =$ _____ 2. $6 + 3 =$ _____

3. $4 + 1 =$ _____ 4. $6 + 4 =$ _____

5. $2 + 3 =$ _____ 6. $2 + 0 =$ _____

7. $6 + 1 =$ _____ 8. $7 + 2 =$ _____

9. $5 + 5 =$ _____ 10. $9 + 1 =$ _____



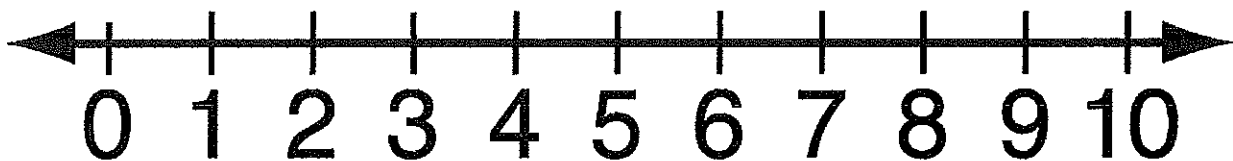
Frog Splash



One sunny day 4 frogs jumped in the pond. Later that day 2 more frogs jumped into the pond. How many frogs are in the pond all together?

My Picture:

My Number Line:



My Equation:

_____ + _____ = _____

My Answer:

_____ frogs

Cupcake Addition

Add the cupcakes and write the answer on the line.

$$\begin{array}{c} \text{cupcake} \quad \text{cupcake} \end{array} + \begin{array}{c} \text{cupcake} \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{c} \text{cupcake} \quad \text{cupcake} \end{array} + \begin{array}{c} \text{cupcake} \quad \text{cupcake} \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{c} \text{cupcake} \quad \text{cupcake} \quad \text{cupcake} \quad \text{cupcake} \end{array} + \begin{array}{c} \text{cupcake} \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{c} \text{cupcake} \quad \text{cupcake} \quad \text{cupcake} \end{array} + \begin{array}{c} \text{cupcake} \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{c} \text{cupcake} \end{array} + \begin{array}{c} \text{cupcake} \end{array} = \underline{\hspace{2cm}}$$

$$\begin{array}{c} \text{cupcake} \quad \text{cupcake} \quad \text{cupcake} \end{array} + \begin{array}{c} \text{cupcake} \quad \text{cupcake} \end{array} = \underline{\hspace{2cm}}$$

Draw the missing cupcakes.

$$\begin{array}{c} \text{cupcake} \end{array} + \quad = 3$$

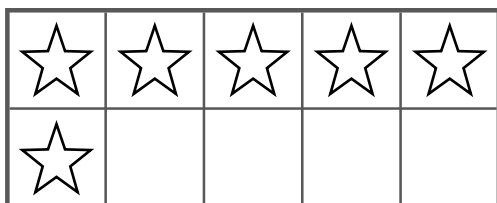
Mid-Year Review

Test Prep

Multiple Choice

Fill in the circle next to the correct answer.

1. How many stars are there?

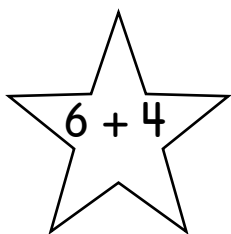


- (A) 10 (B) 8 (C) 7 (D) 6

2. Which number is greater than 8?

- (A) 8 (B) 10 (C) 7 (D) 0

3. Which star makes 10?



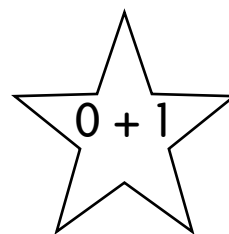
(A)



(B)



(C)



(D)

4. Which star makes 1 less than 7?



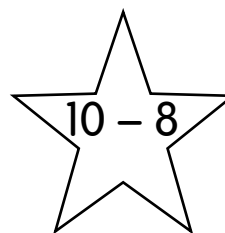
(A)



(B)



(C)



(D)

5. Find the missing number.

$$\square + 9 = 10$$

(A) 11

(B) 8

(C) 1

(D) 0

6. Find the missing number.

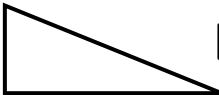
$$8 - \square = 4$$

(A) 8

(B) 5

(C) 4

(D) 2

7. How many sides does a  have?

(A) 4

(B) 3

(C) 2

(D) 0

8. How many corners does a  have?

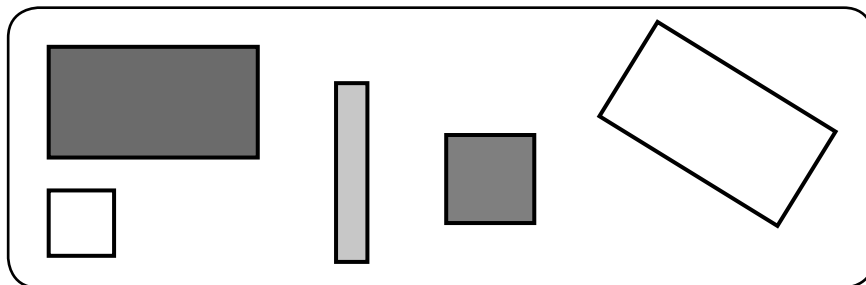
(A) 0

(B) 1

(C) 2

(D) 5

9. How are these shapes sorted?

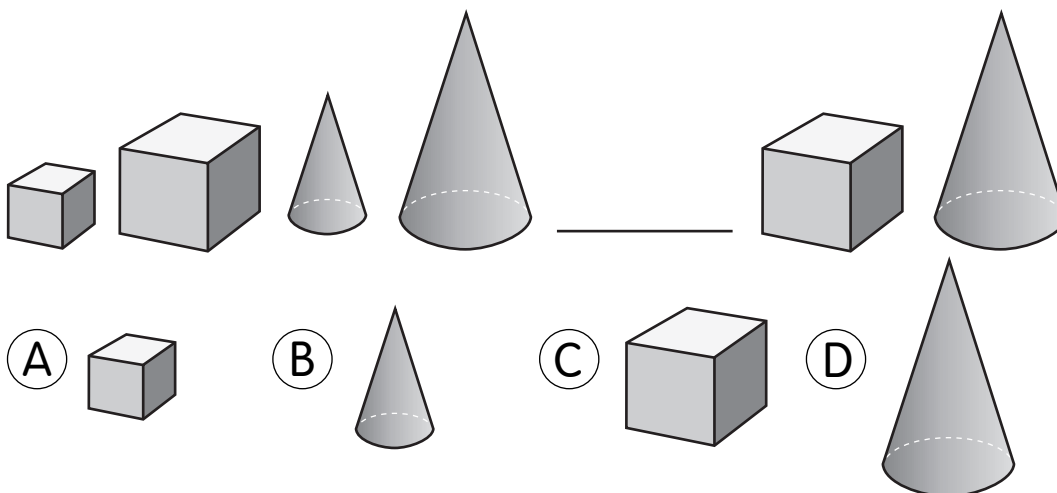


- (A) shape
- (B) color
- (C) size
- (D) number of sides

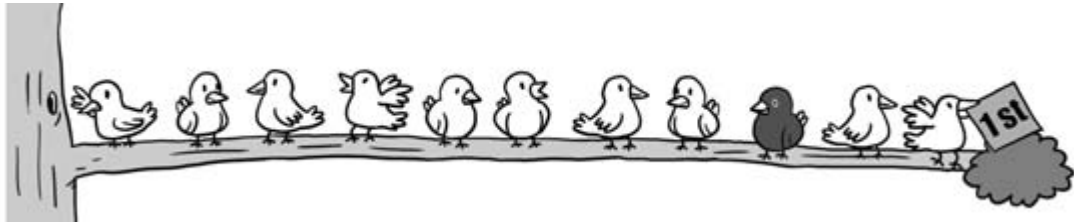
10. Which solid shape can you roll and slide?

- (A) sphere
- (B) cone
- (C) cube
- (D) pyramid

11. Complete the pattern.



12. In which position is the black bird?



- (A) 3rd (B) 5th (C) 9th (D) 10th

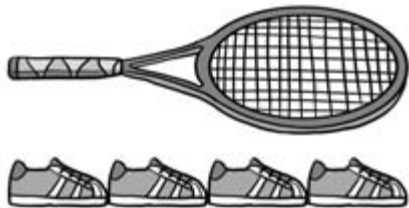
13. What do ten and nine make?

- (A) 1 (B) 9 (C) 19 (D) 20

14. $16 - 8 = ?$

- (A) 8 (B) 9 (C) 16 (D) 18

15. The tennis racket is about _____ shoes long.



- (A) 5 (B) 4 (C) 3 (D) 1

Short Answer

Read the questions carefully.

Write your answers in the space given.

Write the numbers in words.

16. 8 _____

17. 19 _____

18. 12 _____

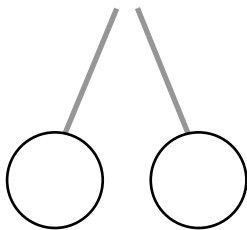
Complete the number patterns.

19. _____, 1, 2, 3, _____, 5

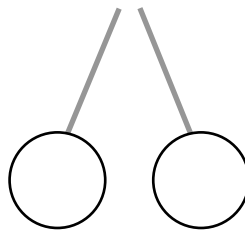
20. _____, 16, 14, _____, 10, 8 _____

Add.

21. $7 + 8 =$ _____



22. $20 - 7 =$ _____



Order the numbers from greatest to least.

23.

19

9

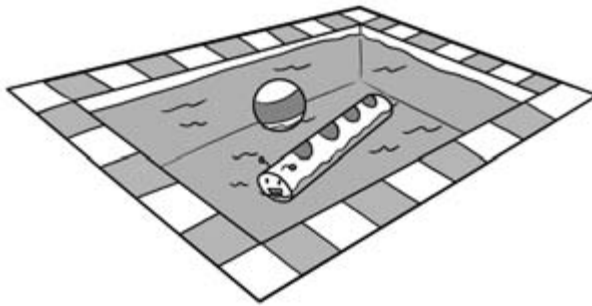
20

10

Look at the picture.

Circle the words for the shapes you see.

24.



circle

rectangle

square

triangle

sphere

pyramid

cylinder

cone

cube

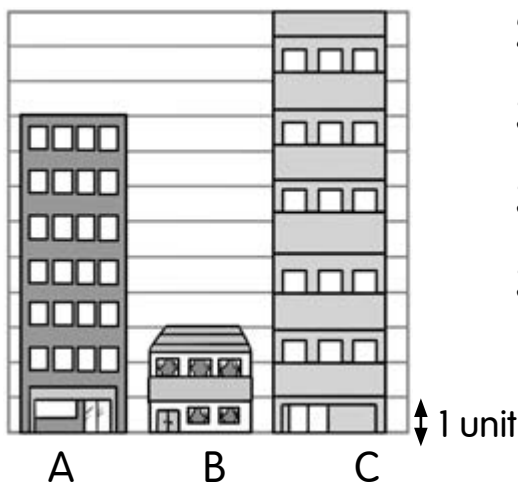
Look at the picture.
Then fill in the blanks.
Use the words in the box.



left	right
between	above
below	next to
first	second
third	second

- 25.** Maria is last from the _____.
- 26.** Jamal is _____ on the right.
- 27.** Liping is _____ Josh and Jamal.
- 28.** The mouse is _____ Josh.

Look at the picture.
Then fill in the blanks.

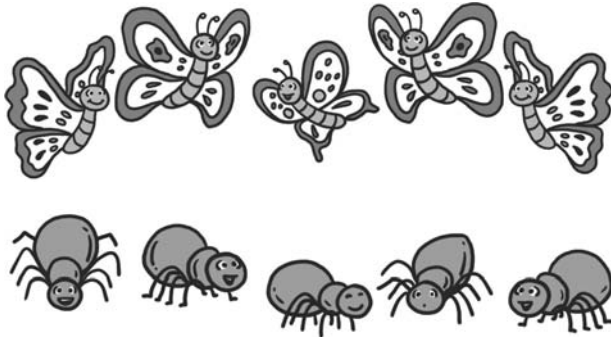


- 29.** Building A is _____ units tall.
- 30.** Building B is _____ units tall.
- 31.** Building C is _____ units tall.
- 32.** Building _____ is the tallest.

Extended Response

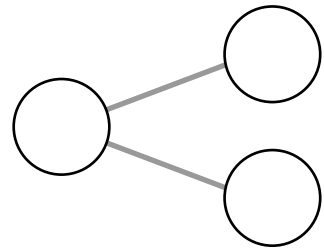
Solve.

33.



There are _____ butterflies.

There are _____ spiders.



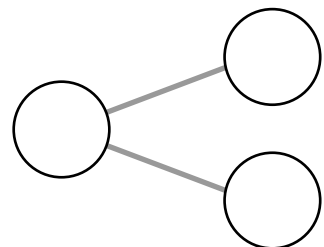
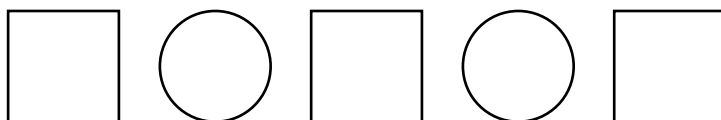
There are _____ butterflies and spiders in all.

34.



There are 8 girls.

2 girls have curly hair.



_____ girls have straight hair.

Name: _____

Date: _____

Show the number.Draw

--

 for tens and

--

 for ones.**Then fill in the blanks.****35.**

	Tens	Ones
17		

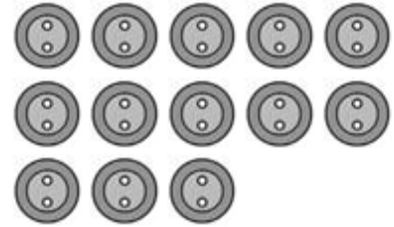
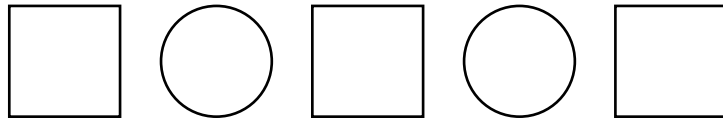
	Tens	Ones
11		

_____ is the greater number.

It is greater by _____.

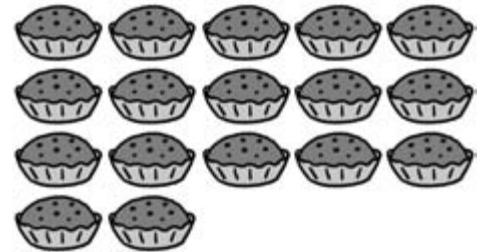
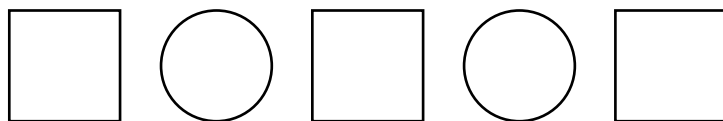
Fill in the blanks.**36.** $7 + 8 = ?$ $7 + 8$ is double _____ plus _____. $7 + 8 = 7 +$ _____ plus _____ $=$ _____ + 1 $=$ _____

- 37.** Mom has 13 buttons.
She uses some to sew a dress.
7 buttons are left.
How many buttons does Mom use?



Mom uses _____ buttons.

- 38.** Andrew gives away 9 muffins.
He has 8 muffins left.
How many muffins did he
have at first?



Andrew had _____ muffins at first.

39. Follow the directions:

First, draw a start line.

Next, draw a shorter arrow.

Then, draw an arrow that is longer than the other arrows.

Last, circle the shortest arrow.



End-of-Year Review

Test Prep

Multiple Choice

Fill in the circle next to the correct answer.

1. Which month has less than 31 days?
(A) January (B) March (C) April (D) October
2. Nina works from Wednesday to the following Monday. How many days does she work?
(A) 5 (B) 6 (C) 7 (D) 8
3. _____ is the season that comes after Spring.
(A) Summer (B) Hot (C) Winter (D) Fall
4. The _____ has a value of 5¢.
(A)  penny (B)  dime (C)  quarter (D)  nickel
5. What is the value of the coins?
   
  

- (A) 7¢ (B) 19¢ (C) 29¢ (D) 34¢

6. This is the money Shari has.



She buys a red ribbon for 15¢.
How much money does she have left?

- (A) 43¢ (B) 53¢ (C) 50¢ (D) 87¢
7. $55¢ + 12¢ = ?$
- (A) 35¢ (B) 53¢ (C) 67¢ (D) 75¢
8. The third Friday in July is July 17.
What will the fourth Friday be?
- (A) July 24 (B) July 22 (C) July 15 (D) August 1
9. 65 comes just before _____.
- (A) 55 (B) 64 (C) 66 (D) 75

10.



3 tens and 6 ones is the same as _____.

- (A) 8 (B) 11 (C) 36 (D) 83

11. Look at the number pattern.

Which number comes next?

28, 31, 34, 37, 40 _____

- (A) 31 (B) 41 (C) 43 (D) 50

12. 10 more than 65 is _____.

- (A) 55 (B) 56 (C) 85 (D) 75

13. Add 16 to 57.

- (A) 13 (B) 63 (C) 73 (D) 83

14. Find the missing number.

_____ 15, 25, 35, 45

- (A) 0 (B) 5 (C) 10 (D) 55

15. Subtract.

$$\begin{array}{r} 45 \\ - 36 \\ \hline \end{array}$$

- (A) 9 (B) 11 (C) 19 (D) 81

16. Add mentally.

$$15 + 24 = \underline{\hspace{2cm}}$$

- (A) 7 (B) 13 (C) 39 (D) 35

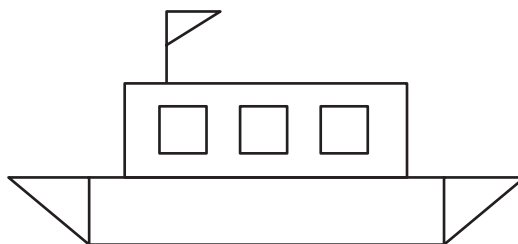
17.



There are _____ stickers in all.

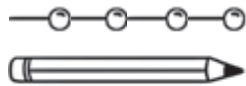
- (A) 6 (B) 12 (C) 24 (D) 30

18. There are _____ squares in the figure.



- (A) 3 (B) 4 (C) 5 (D) 6

19.



The pencil is about _____ —○ long.

(A) 8

(B) 2

(C) 6

(D) 4

Short Answer

Read the questions carefully.

Write your answers in the space given.

Write the number in words.

20. 11 _____

21. 87 _____

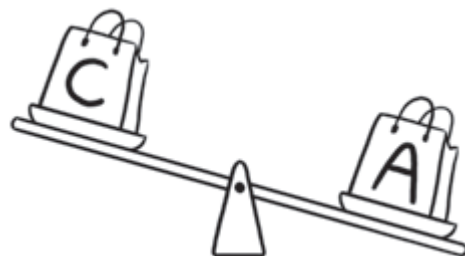
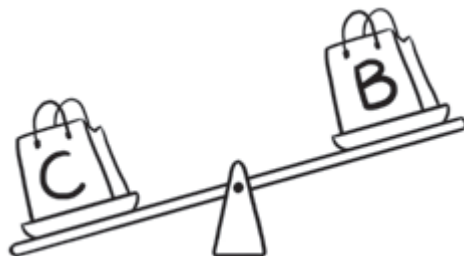
Write the number.

22. fifty-four _____

23. twenty-six _____

Look at the pictures.

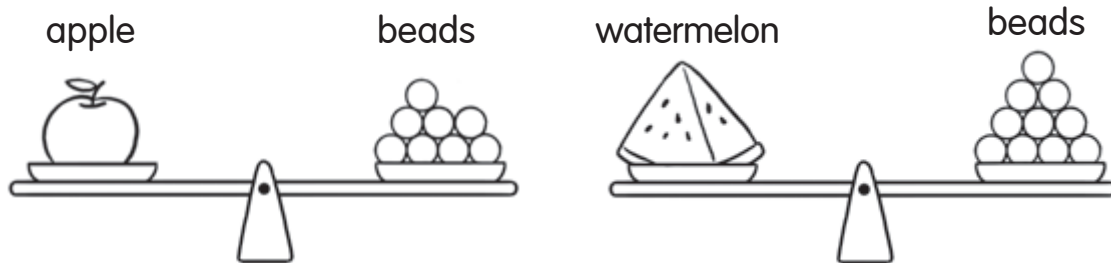
Then fill in the blanks.



24. Order the bags from lightest to heaviest.

_____ _____ _____
lightest

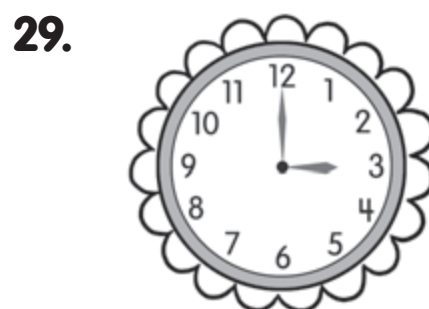
Look at the picture.
Then fill in the blanks.
Use ○ as 1 unit.



- 25.** The weight of the apple is about _____ units.
- 26.** The weight of the watermelon is about _____ units.
- 27.** The _____ is heavier than the _____.

Look at each picture.
Then write the time.

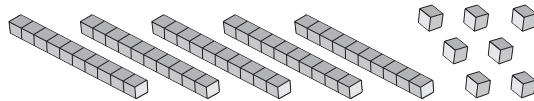




Name: _____

Date: _____

- 30. Look at the picture.**
Then write the number in words.



- 31. Order the numbers from greatest to least.**

75	41	18	29
----	----	----	----

_____, _____, _____, _____
greatest

Circle the two numbers that add up to 4 tens and 4 ones.

- 32.** 24 27 51 30 17

Add the 2nd and 5th numbers.

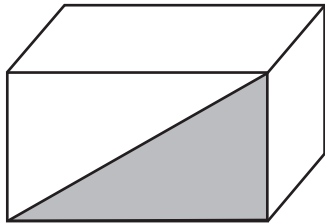
33.

37	20	19	62	45	83	51
1st						

- 34. Subtract 6 tens 4 ones from 8 tens 2 ones.**

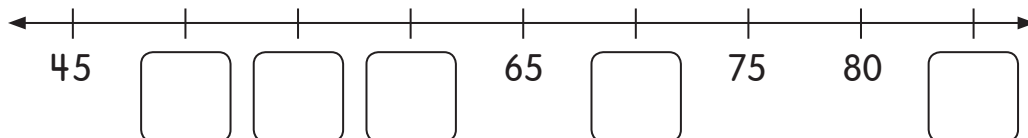
Name the shape that is shaded.

35.



Look at the number line.
Fill in the missing numbers.

36.



Look at the picture.
Circle the correct word.

37.

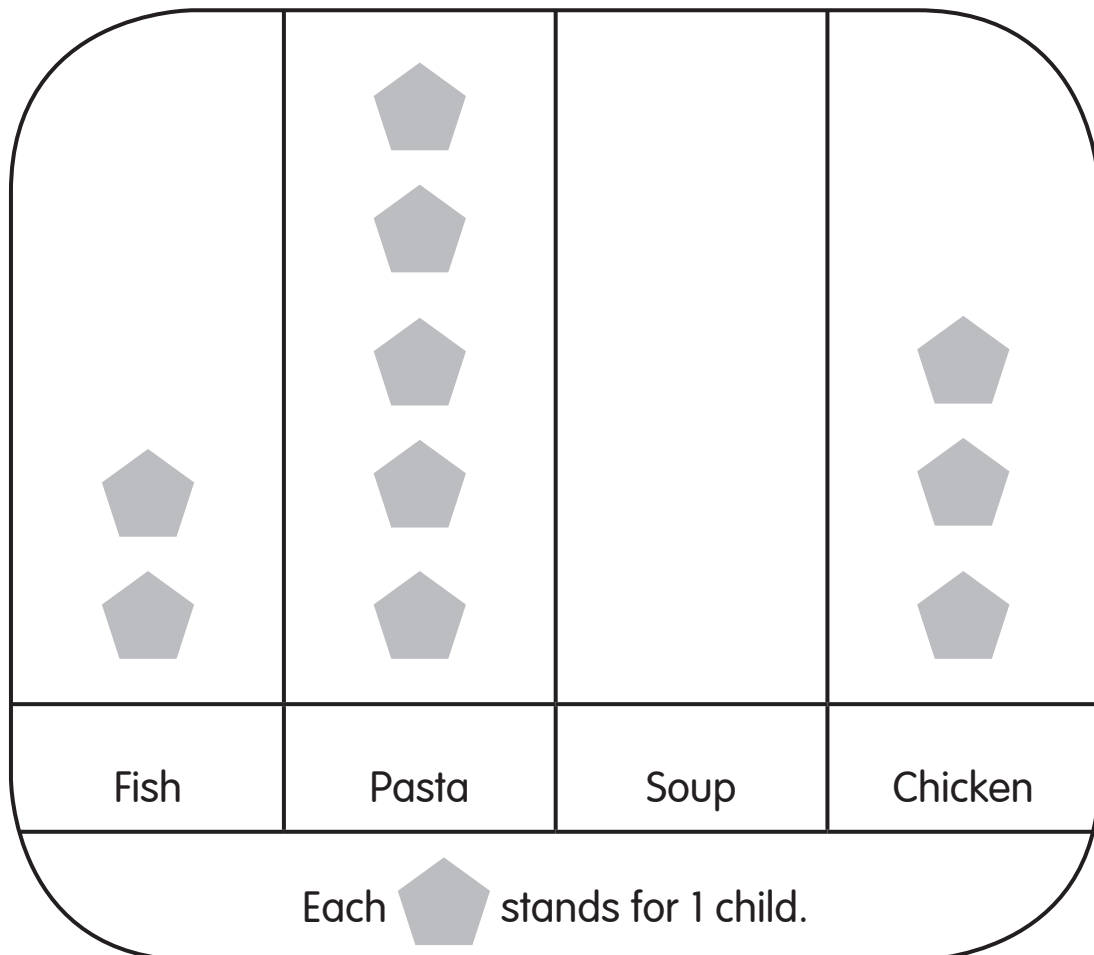
Liz Anita Ethan



- a. Liz is first last from the left.
- b. Ethan is in front of behind Anita.

Extended Response

The picture graph shows the favorite food of 12 children.

38.**Favorite Food****Solve.**

- a. The same number of children named fish and soup as their favorite food.

Draw  to show the number of children who like soup.

- b. _____ is the favorite food for the most children.

Ten families live on the same street.
Every family has one pet.
The picture shows their pets.



**Complete the tally chart to show the pet data.
Then answer the questions.**

39.

Kinds of Pets	Tally	Number
Hamster 		
Cat 		
Bird 		

- How many pets are there in all? _____
- Which pet has the greatest number? _____

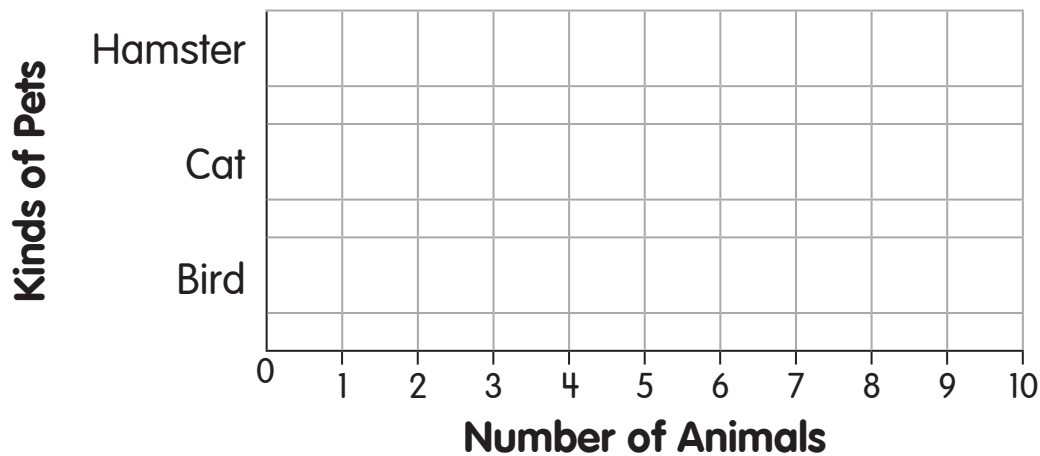
Name: _____

Date: _____

Make a bar graph using the data from the tally chart.

c.

Pets



Solve.

- 40.** Sam has 32 marbles
 He puts all the marbles in bags.
 He puts 4 marbles in each bag.
 How many bags does he use?



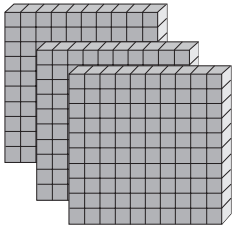
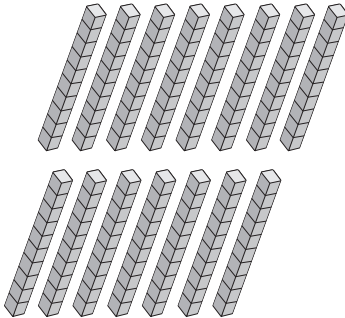
He uses _____ bags.

Mid-Year Review**Test Prep****Multiple Choice****Fill in the circle next to the correct answer.**

1. Which shows three hundred four?

(A) 34 (B) 304 (C) 340 (D) 344

2. Which number is shown in the chart?

Hundreds	Tens	Ones
		

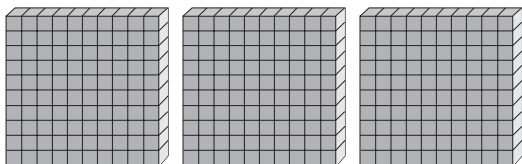
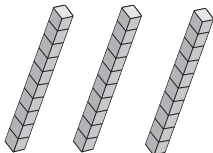
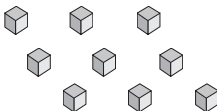
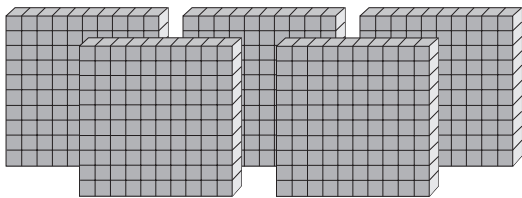
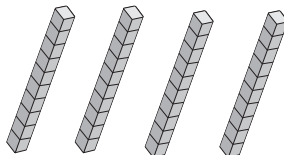
(A) 450 (B) 405 (C) 350 (D) 315

3. Continue the pattern.

540, 650, 760, 870, _____

(A) 890 (B) 950 (C) 980 (D) 1000

4. Add the two numbers shown on the chart.

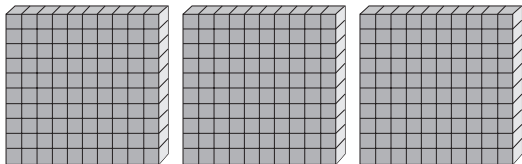
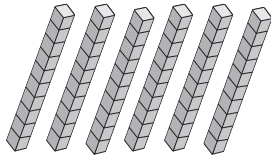
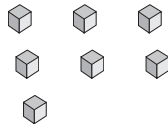
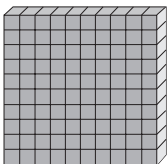
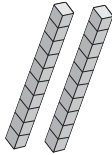
Hundreds	Tens	Ones
		
		

- (A) 879 (B) 560 (C) 319 (D) 241

5. $275 + 16 = \underline{\hspace{2cm}}$

- (A) 281 (B) 291 (C) 381 (D) 415

6. Subtract the two numbers shown on the chart.

Hundreds	Tens	Ones
		
		

- (A) 488 (B) 367 (C) 246 (D) 121

7. Subtract.

$$\begin{array}{r} 547 \\ - 254 \\ \hline \end{array}$$

- (A) 801 (B) 393 (C) 313 (D) 293

8. Use these digits.

2 **7** **5**

Make the greatest 3-digit number.

Then make the least 3-digit number.

Then subtract the two numbers.

- (A) 587 (B) 505 (C) 495 (D) 477

9. Darren has 86 marbles.

Max has 74 marbles.

How many marbles do they have in all?

- (A) 12 (B) 86 (C) 150 (D) 160

10. Felix has \$125.

He uses \$70 to buy a pair of shoes.

How much does he have left?

- (A) \$195 (B) \$87 (C) \$75 (D) \$55

11. Look at the picture.



How many flowers are there?

- (A) $7 + 5$ (B) 7×5 (C) 5×2 (D) 5×10
12. The length of a placemat is about _____.
- (A) 40 cm (B) 40 m (C) 1 cm (D) 1 m
13. Rosa has a ribbon 100 centimeters long.
She uses 45 centimeters of it.
What is the length of ribbon left?
- (A) 155 cm (B) 100 cm (C) 55 cm (D) 65 cm
14. Letoya buys 35 books on Monday.
She buys 21 books on Tuesday.
She sells 40 of these books.
How many books does she have left?
- (A) 14 (B) 16 (C) 56 (D) 96
15. A carton of milk has a mass of 450 grams.
Two cartons are put into a box with a mass of 37 grams.
What is the total mass of the cartons and the box?
- (A) 413 g (B) 863 g (C) 937 g (D) 974 g

Short Answer

Read the questions carefully.

Write your answers in the space provided.

- 16.** Write 386 in words.

- 17.** Write 520 in expanded form.

- 18.** Order the numbers from greatest to least.

609

712

699

543

_____, _____, _____, _____

- 19.** Add 438 and 156. _____

$$\begin{array}{r} 438 \\ + 156 \\ \hline \end{array}$$

- 20.** Subtract 17 from 831. _____

21. Subtract 284 from 861. _____

22. Fill in the blanks.

$$7 \times 2 = \underline{\hspace{2cm}} \qquad 2 \times 7 = \underline{\hspace{2cm}}$$

$$\underline{\hspace{2cm}} \div 2 = 7 \qquad \underline{\hspace{2cm}} \div 7 = \underline{\hspace{2cm}}$$

23. What is the length of Drawing A? _____ cm

_____ Drawing A

24. What is the mass of the vegetables?



_____ g

- 25.** Fill in the blank with *more than* or *less than*.



The container has _____ 1 liter of water.

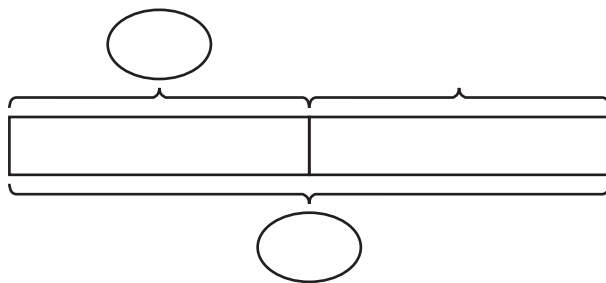
- 26.** The Recycling Committee has \$746.
They raise \$198 more.
How much do they have now?

\$ _____

- 27.** In a game, the Green Team scored 270 points.
The Yellow Team scored 363 points.
How many more points did the Yellow Team score
than the Green Team?

_____ points

- 28.** Gina has 200 beads.
94 of the beads are red.
The rest are yellow.
How many yellow beads does Gina have?
Complete the bar model.
Then find the answer.



Gina has _____ yellow beads.

- 29.** 138 cars and 27 vans are in a parking lot.
How many vehicles are there in all?
Draw a bar model.
Then find the answer.

There are _____ vehicles in all.

- 30.** The mass of a bottle of oil is 2 kilograms.
What is the mass of 9 such bottles?

The mass is _____ kilograms.

- 31.** Eva has 40 crayons.
She gives them to her friends to be shared equally.
Each friend receives 5 crayons.
How many friends are there?

There are _____ friends.

Extended Response

Solve.

Show your work.

- 32.** The Finch family drives 352 miles on vacation.
The Perez family drives 168 miles more than the Finch family.
- a.** How far does the Perez family drive?
 - b.** How many miles do they drive in all?

a. The Perez family drives _____ miles.

b. They drive _____ miles in all.

- 33.** Tasha has 249 cards.
Tim has 53 fewer cards than Tasha.
Lee has 79 more cards than Tim.
How many cards does Lee have?



Lee has _____ cards.

34. Mikayla has 5 strings of beads.

Each string has 4 beads on it.

Mikayla divides her beads into 2 strings of beads.

- a.** How many beads does Mikayla have in all?
- b.** How many beads are there on each string in the end?

a. Mikayla has _____ beads in all.

b. There are _____ beads on each string in the end.

35. The height of Kory's desk is 58 centimeters.

The height of Kory's door is 239 centimeters.

- a.** What is the total height of Kory's desk and door?
- b.** What is the difference in height between Kory's desk and door?

a. The total height of Kory's desk and door is
_____ centimeters.

b. The difference in height between Kory's desk and door is
_____ centimeters.

- 36.** A barrel contains 60 liters of rainwater.
Mrs. Potts uses 14 liters of rainwater to water her vegetable garden.
She uses another 13 liters of rainwater to wash her car.
How much rainwater is left in the barrel?

_____ liters of rainwater are left in the barrel.

- 37.** Ling mixes 120 cups of lemonade in the morning.
She mixes 93 cups of lemonade in the afternoon.
- a.** How many cups of lemonade does she mix in all?
 - b.** She sells 207 cups of lemonade.
How many cups of lemonade does she have left?

a. She mixes _____ cups of lemonade in all.

b. She has _____ cups of lemonade left.

End-of-Year Review

Test Prep

Multiple Choice

Fill in the circle next to the correct answer.

1. Which of the following is correct?
☐ (A) In 345, the digit 3 is in the ones place.
☐ (B) In 345, the digit 5 is in the ones place.
☐ (C) In 345, the digit 5 is in the tens place.
☐ (D) In 345, the digit 4 is in the hundreds place.

2. 24 divided by 4 is _____.
☐ (A) 3 ☐ (B) 4 ☐ (C) 5 ☐ (D) 6

3. The sum of 500 and 43 is _____.
☐ (A) 345 ☐ (B) 354 ☐ (C) 435 ☐ (D) 543

4. Farmer Ben has 456 chickens.
He has 336 ducks.
What is the difference between the number of chickens and ducks?
☐ (A) 130 ☐ (B) 120 ☐ (C) 576 ☐ (D) 932

5. $45 \div 5 =$ _____.
☐ (A) 6 ☐ (B) 7 ☐ (C) 8 ☐ (D) 9

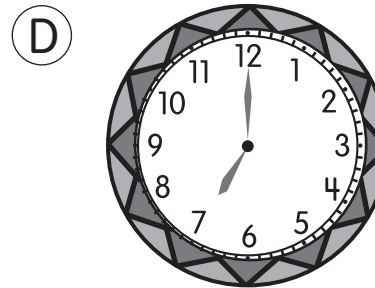
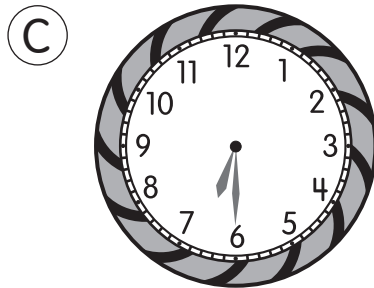
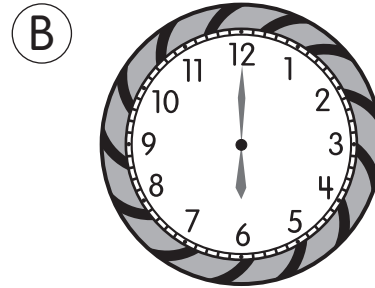
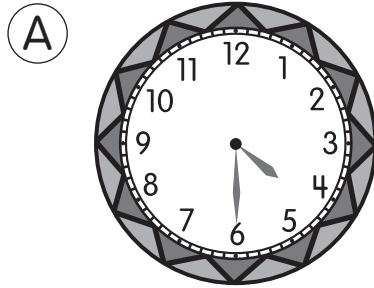
6. Rope A is 45 feet long.
Rope B is 71 feet long.
How much longer is Rope B than Rope A?
(A) 26 ft (B) 34 ft (C) 36 ft (D) 116 ft
7. Roma weighs 42 kilograms.
Ana weighs 39 kilograms.
What is their total mass?
(A) 3 kg (B) 71 kg (C) 81 kg (D) 711 kg
8. $137 + 40 = \underline{\hspace{2cm}}$.
(A) 177 (B) 187 (C) 237 (D) 277
- 9.



Which is the correct amount of money shown?

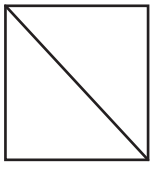
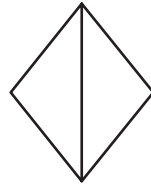
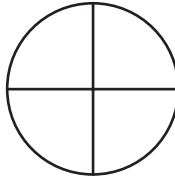
- (A) \$16.00 (B) \$20.50 (C) \$16.24 (D) \$19.34

10. Angeline finished her dinner at 6:00 p.m.
She went for a walk and came home 30 minutes later.
Which clock shows the time Angeline reached home?



11. Which has only flat surfaces?

- (A) a banana
- (B) a bottle
- (C) a balloon
- (D) a square box

- 12.** Yumi buys a violin for \$287.
She gives the cashier \$300.
How much change does she get?
- (A) \$20 (B) \$17 (C) \$23 (D) \$13
- 13.** Zach makes 24 liters of apple juice for his class party.
He makes 5 liters more of grape juice.
How much grape juice does Zach make?
- (A) 19 L (B) 21 L (C) 25 L (D) 29 L
- 14.** Which is a part of a line?
- (A)  (B)  (C)  (D) 
- 15.** Which is not divided into equal parts?
- (A)  (B) 
- (C)  (D) 

Short Answer

Read the questions carefully.

Write your answers in the space provided.

16. What is $345 + 70$? _____

17. ☆ stands for 4 people.
What does ☆ ☆ ☆ ☆ ☆ ☆ stand for? _____

18. What is $920 - 80$? _____

19. What is 8×4 ? _____

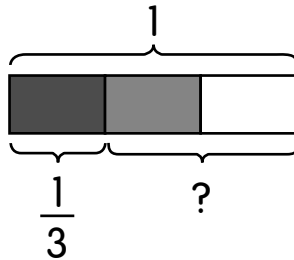
20. How many parts of lines and curves are there?



_____ parts of lines

_____ curves

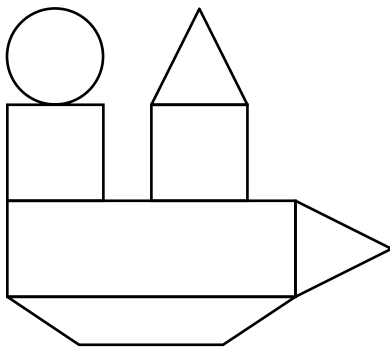
- 21.** Joy and Andrew share a shepherd's pie.
Joy ate $\frac{1}{3}$ of the pie.
What fraction of the pie does Andrew eat?

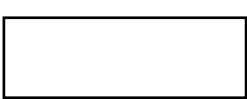
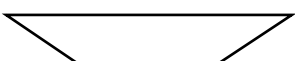


Andrew eats _____ of the pie.

- 22.** Rina started reading at 2:00 P.M.
She finished reading 1 hour later.
At what time did Rina finish reading? _____ P.M.

- 23.** How many of each shape are there?



Shape	How many?
	
	
	
	
	

Fill in the blanks.

24. $789 = 7$ hundreds, _____ tens, and 9 ones

25. $2 \times 4 =$ _____

_____ $\div 2 = 4$

_____ $\div 4 = 2$

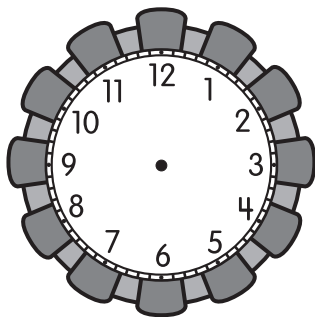
26. $5 \times 3 =$ _____

$7 \times 3 = 5$ groups of 3 + _____ groups of 3

$=$ _____ + _____

$=$ _____

27. Draw the hands on the clock to show 9:10.

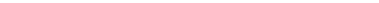


Draw a part of a line, 6 inches long.

Complete the number pattern.

29. 820, 840, 860, _____, _____, _____, 940

Draw what comes next.

30. 

Look at the pattern. Check (✓) what comes next.

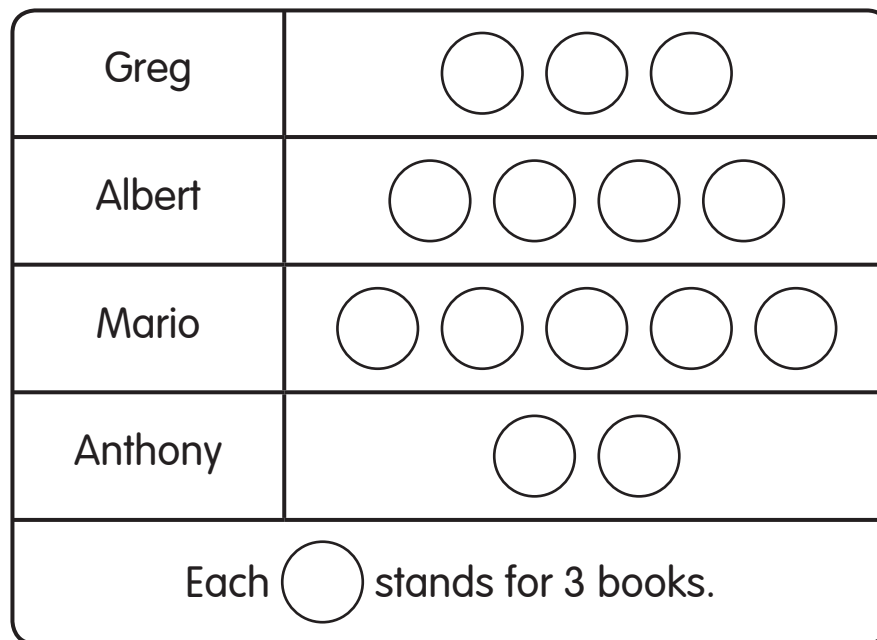
31. 

32.



Extended Response

The picture graph shows the number of storybooks each boy has.



Use the picture graph to fill in the blanks.

33. How many books does Greg have?

There are _____  for Greg.

_____ $\times$ _____ = _____

Greg has _____ storybooks.

- 34.** How many books do Albert and Anthony have in all?

There are _____  for Albert and Anthony.

_____ $\times$ _____ = _____

Albert and Anthony have _____ books in all.

- 35.** How many storybooks does the boy with the greatest number of books have?

There are _____  for _____.

_____ $\times$ _____ = _____

He has _____ books in all.

- 36.** How many more books does Mario have than Anthony?

Mario has 5 .

_____ $\times$ _____ = _____

Anthony has _____ .

_____ $\times$ _____ = _____

_____ $-$ _____ = _____

Mario has _____ more books than Anthony.

Solve.

Show your work.

- 37.** Sam has 30 books.
He puts 5 books in one box.
How many boxes does he need?

He needs _____ boxes.

- 38.** Lily has 6 bags.
Each bag holds 4 kilograms of flour.
How many kilograms of flour are there in all?

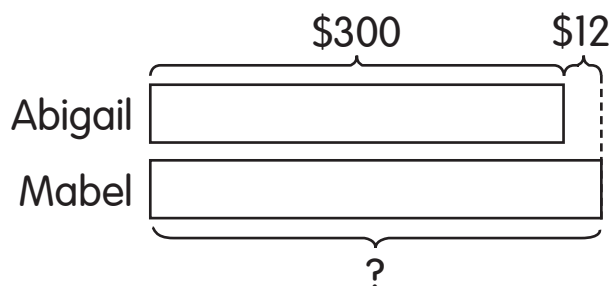
There are _____ kilograms of flour in all.

Solve.

Show your work.

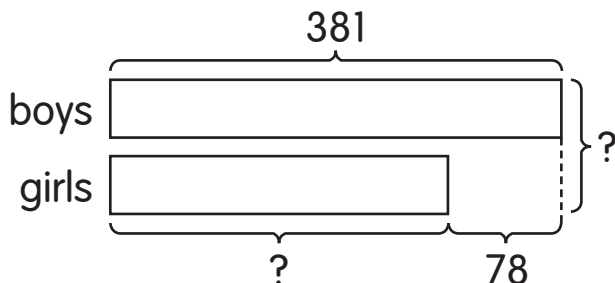
Use bar models to help you.

- 39.** Abigail has \$300. Mabel has \$12 more than Abigail.
How much money does Mabel have?



Mabel has \$_____.

- 40.** 381 boys take part in a game.
78 fewer girls than boys take part in the game.
- How many girls take part in the game?
 - How many children take part in the game?



- _____ girls take part in the game.
- _____ children take part in the game.

Summer Math Packet for Students Entering 4th Grade**Mid-Year Review****Test Prep****Multiple Choice**

Fill in the circle next to the correct answer.

1. In the number 6,592, the digit 5 is in the _____ place. (Lesson 1.2)

☐ (A) ones	☐ (B) tens
☐ (C) hundreds	☐ (D) thousands

2. Which number is 1,000 more than 1,629? (Lesson 1.3)

☐ (A) 629	☐ (B) 1,619
☐ (C) 1,729	☐ (D) 2,629

3. Estimate the sum of 342 and 525. Use front-end estimation. (Lesson 2.5)

☐ (A) $300 + 500 = 800$	☐ (B) $300 + 530 = 830$
☐ (C) $340 + 500 = 840$	☐ (D) $340 + 530 = 870$

4. Estimate the difference between 828 and 535.
Use rounding to the nearest hundred. (Lesson 2.4)

☐ (A) $900 - 500 = 400$
☐ (B) $800 - 500 = 300$
☐ (C) $900 - 600 = 300$
☐ (D) $800 - 600 = 200$

5. $0 \times 9 = \underline{\hspace{2cm}}$ (Lesson 6.1)

(A) 0

(B) 9

(C) 90

(D) 900

6. To find the answer to $38 + 48$, You can add 50 to _____.
(Lesson 2.1)

(A) 38, then add 2

(B) 38, then subtract 2

(C) 48, then add 2

(D) 48, then subtract 2

7. What is the missing digit? (Lesson 3.3)

$$\begin{array}{r} 5, \quad 3 \quad 2 \quad \square \\ + 3, \quad 6 \quad \square \quad 4 \\ \hline \square, \quad 0 \quad 2 \quad 3 \end{array}$$

(A) 1

(B) 2

(C) 5

(D) 9

8. There are four numbers on a whiteboard:

1,390, 1,125, 1,580, and 1,625.

The difference between two of the numbers is 235.

What are the two numbers? (Lesson 4.3)

(A) 1,580 and 1,390

(B) 1,625 and 1,390

(C) 1,390 and 1,125

(D) 1,580 and 1,125

Name: _____

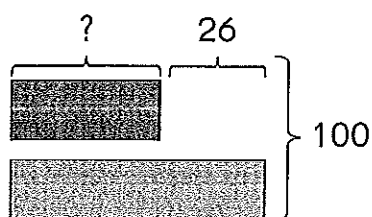
Date: _____

9. How many numbers between 31 and 50 can be divided by 6 with no remainder? (Lesson 8.4)
- (A) 1 (B) 2
(C) 3 (D) 4
10. Add 4,786 and 1,078. (Lesson 3.3)
- (A) 3,708 (B) 3,808
(C) 5,764 (D) 5,864
11. Subtract 1,786 from 3,000. (Lesson 4.3)
- (A) 1,204 (B) 1,214
(C) 2,786 (D) 4,786
12. $215 \times 4 =$ _____. (Lesson 7.3)
- (A) 172 (B) 211
(C) 219 (D) 860
13. Which of the following is the same as 5×9 ? (Lesson 6.5)
- (A) $9 + 5$ (B) $5 + 5 + 9 + 9$
(C) $5 + 5 + 5 + 5 + 5$ (D) $9 + 9 + 9 + 9 + 9$

- 14.** Drew has 87 pebbles.
He divides the pebbles equally into 3 bags.
How many pebbles does he have in each bag? (Lesson 8.5)

(A) 29 (B) 84
(C) 90 (D) 261

- 15.** The sum of two numbers is 100.
The difference between the two numbers is 26.
What is the number that is less? (Lesson 5.1)



(A) 13 (B) 24
(C) 37 (D) 63

Short Answer

Read the questions carefully.

Write each answer in the space provided.

- 16.** Write three thousand, fourteen in standard form. (Lesson 1.1)

Name: _____

Date: _____

17. What is the value of the digit 5 in the number 5,631? (Lesson 1.2)

18. Use the digits below to make three 3-digit odd numbers and three 3-digit even numbers. Do not repeat the same digits in a number.
(Lesson 8.3)

1 8 2 3 9 4 7

Odd numbers: _____

Even numbers: _____

19. Add $1,850 + 59$. (Lesson 3.2)

20. $70 \times 4 = ?$ (Lesson 7.1)

21. In $59 \div 2$, the quotient is _____, and the remainder is _____.
(Lesson 8.2)

- 22.** Shaun takes 300 photographs at the zoo.
Sheena takes twice as many photographs as Shaun.
How many photographs do they take in all? (Lesson 9.1)

_____ photos

- 23.** Shannon has 78 animal stickers.
She has three times as many animal stickers as her brother, Ryan.
How many animal stickers does Ryan have? (Lesson 9.3)

_____ paperclips

- 24.** The sum of two numbers is 1,500.
The difference between these two numbers is 300.
Find these two numbers from the numbers provided. (Lessons 3.2 and 4.1)

1,200 600 300 700 800 900

- 25.** Caroline packs some glue sticks into 8 bags.
She has 12 glue sticks left over.
If there are 25 glue sticks in each bag, how many
glue sticks did she have at first? (Lessons 7.3 and 3.1)

Name: _____

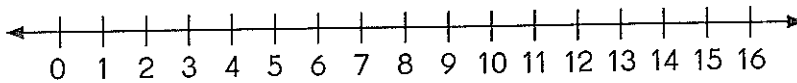
Date: _____

26. What is the product of $1 \times 7 \times 2$?

Use the number lines to help you. (Lessons 6.1 and 6.2)

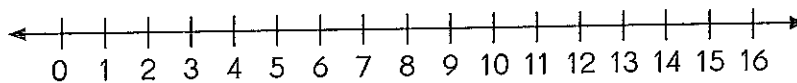
$$1 \times 7 \times 2 = 1 \times \underline{\hspace{2cm}}$$

$$= \underline{\hspace{2cm}}$$



$$1 \times 7 \times 2 = \underline{\hspace{2cm}} \times 2$$

$$= \underline{\hspace{2cm}}$$



$$\text{So, } 1 \times \underline{\hspace{2cm}} = \underline{\hspace{2cm}} \times 2$$

$$= \underline{\hspace{2cm}}$$

27. Find the sum of 938 and 8,163. (*Lesson 3.3*)

28. Find the difference between 6,215 and 8,356. (*Lesson 4.3*)

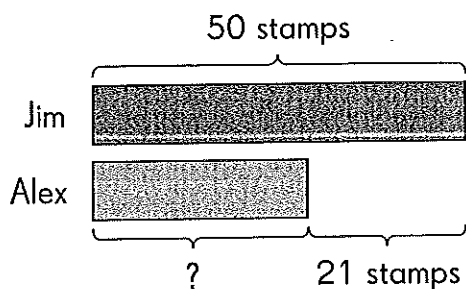
29. Find the product of 154 and 4. (*Lesson 7.3*)

30. Use the digits below to form two 2-digit numbers.
Each number has a remainder of 1 when divided by 4. (*Lesson 8.2*)

1 3 7 9

31. Find the difference between $45 \div 5$ and 5×7 . (*Lessons 4.3, 6.3, and 7.1*)

- 32.** Use the model, How many stamps does Alex have? (Lesson 5.1)



_____ stamps

- 33.** A craft store sells 1,124 fewer pieces of red art paper than blue art paper.
It sells 2,317 pieces of red art paper.
How many pieces of red and blue art paper does the craft store sell?
(Lessons 3.3 and 4.3)

_____ pieces

- 34.** Ngu walks 250 feet.
She walks 65 feet more than Pauline.
How far does Pauline walk? (Lesson 4.3)

_____ feet

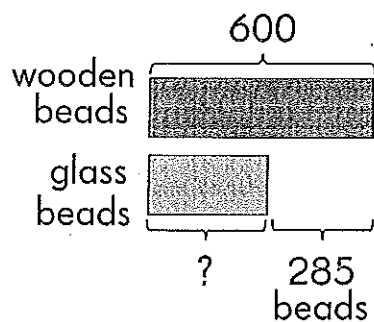
- 35.** Oomi makes 4 necklaces.
She uses 156 beads for each necklace.
How many beads does she use in all? (Lesson 7.3)

_____ beads

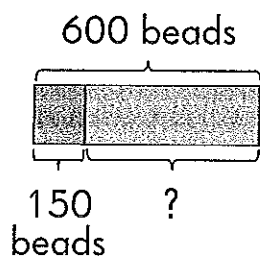
Extended Response

Solve. Show your work.

- 36.** Jolene has 600 wooden beads.
She has 285 fewer glass beads than wooden beads.
a. How many glass beads does Jolene have?



- b.** How many wooden beads does she have if she uses 150 of them to make necklaces?



Name: _____

Date: _____

- 37.** Company A gets 3,700 hits on their website.
Company B gets 450 fewer hits than Company A.
- a. How many hits does Company B get?

- b. How many hits do both companies get in all?

- 38.** Noah swims 80 laps in 5 days.
He swims the same number of laps every day.
- a. How many laps does he swim in a day?

- b. How many laps does he swim in 4 days?

Name: _____

Date: _____

- 39.** Jose has 88 stickers.
He puts 4 stickers on each bookmark.
He gives all his bookmarks away to his friends.
Each friend receives 2 bookmarks.
- a. How many bookmarks does he put stickers on?

- b. How many friends does he have?

- 40.** A factory delivers 5 containers of pottery to a store.
Each container has 162 pieces of pottery.
The store owner discovers 24 pieces of pottery are broken.
How many pieces of pottery are not broken?

End-of-Year Review

Test Prep

Multiple Choice

Fill in the circle next to the correct answer.

1. John spends \$1.35 on bus fare and \$2.50 on food each day. How much does he spend in two days? (Lesson 10.1)

(A) \$3.85	(B) \$6.60
(C) \$6.70	(D) \$7.70

2. Paige jogs around a 400-meter track 3 times a day. What is the distance she jogs each day? (Lesson 11.2)

(A) 400 m	(B) 1 km 200 m
(C) 1 km 400 m	(D) 10 km 200 m

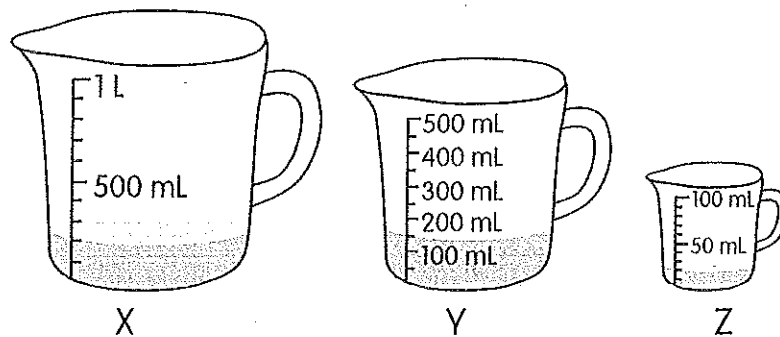
3. Which mass is not the same as the others? (Lesson 11.3)

(A) 7,220 g	(B) 7,022 g
(C) 7,000 g + 22 g	(D) 7 kg 22 g

4. Which is incorrect? (Lesson 14.3)

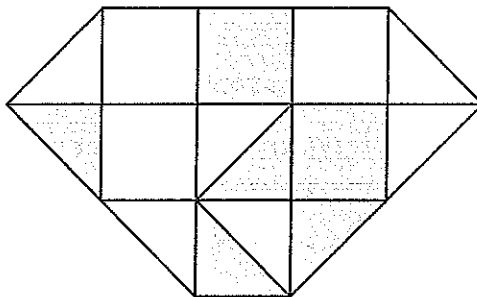
(A) $\frac{1}{2} = \frac{2}{4} = \frac{3}{6}$	(B) $\frac{1}{3} = \frac{2}{6} = \frac{3}{9}$
(C) $\frac{2}{3} = \frac{4}{6} = \frac{6}{12}$	(D) $\frac{2}{2} = \frac{4}{4} = \frac{11}{11}$

5. Look at the measuring cups. (Lesson 11.4)



Which is correct?

- (A) There is 500 milliliters more water in X than Y.
 - (B) There is a total of 1,500 milliliters of water in X and Y.
 - (C) Z contains 180 milliliters less water than X.
 - (D) The difference in the volume of water in Y and Z is 170 milliliters.
6. What fraction of the figure is shaded? (Lesson 14.1)

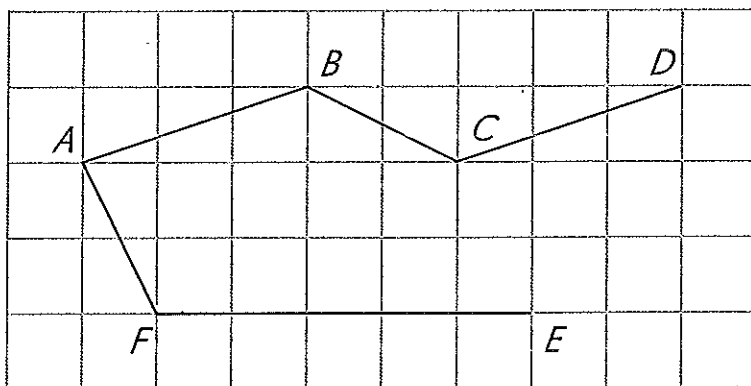


- (A) $\frac{1}{5}$
- (B) $\frac{2}{5}$
- (C) $\frac{6}{13}$
- (D) $\frac{2}{3}$

Name: _____

Date: _____

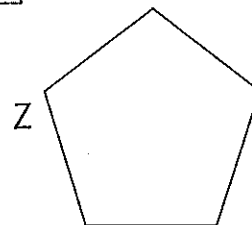
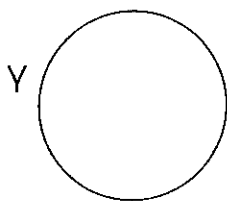
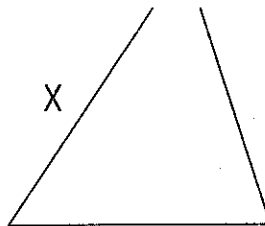
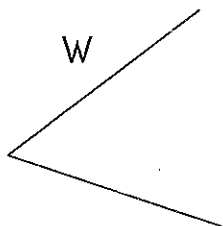
7. Look at the line segments. (Lesson 17.6)



Which line segments are parallel?

- (A) Segments AB and AF (B) Segments BC and EF
 (C) Segments AF and BC (D) Segments AB and CD

8. Which is a polygon? (Lesson 18.1)

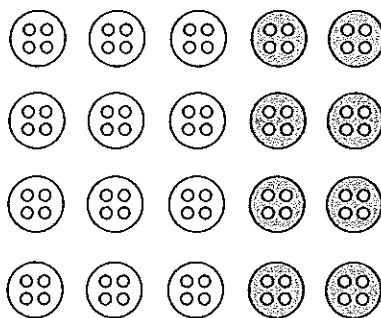


- (A) Figure W (B) Figure X
 (C) Figure Y (D) Figure Z

9. Which tarts weigh the same? (Lesson 15.2)

Tarts	Weight
Lemon	2 pounds
Blueberry	3 pounds
Strawberry	24 ounces
Peach	32 ounces

- (A) Lemon and Strawberry
(B) Lemon and Peach
(C) Blueberry and Strawberry
(D) Blueberry and Peach
10. 8 of the 20 buttons in a box are gray.
The rest are white.
What fraction of the buttons are white? (Lesson 14.6)



- (A) $\frac{2}{5}$ (B) $\frac{3}{5}$
(C) $\frac{4}{5}$ (D) $\frac{3}{7}$

Name: _____

Date: _____

Short Answer

Read the questions carefully. Write your answers in the space provided.

11. Order the fractions from greatest to least. (Lesson 14.4)

$$\frac{1}{4}, \frac{7}{8}, \frac{3}{4}$$

12. String A is 28 inches long. String B is 4 feet long.
Which is longer? (Lesson 15.1)

String _____

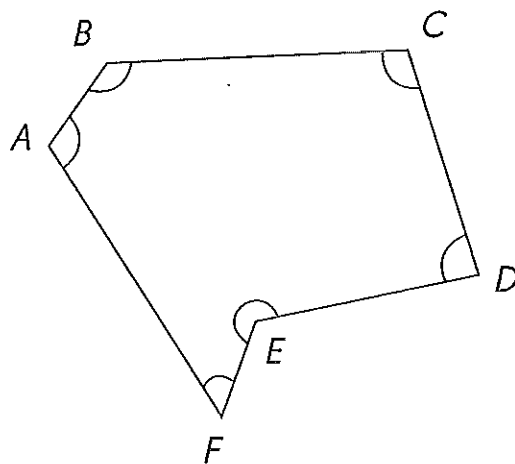
13. George starts on his science project at 8:25 A.M. He finishes at 10:10 A.M. How long did he take? (Lesson 16.5)

_____ h _____ min

14. Mrs. Freeman puts 3 cups of lemon juice in a punch bowl. She adds 6 pints of water. How many cups of liquid are there in total? (Lesson 15.3)

_____ cups

15. Which angles in the figure are less than a right angle? (Lesson 17.3)



Angles _____ and _____

Look at the figures to answer Exercises 16 and 17. (Lesson 19.4)

Figure A

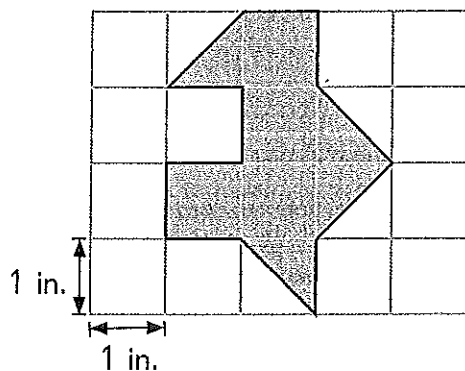
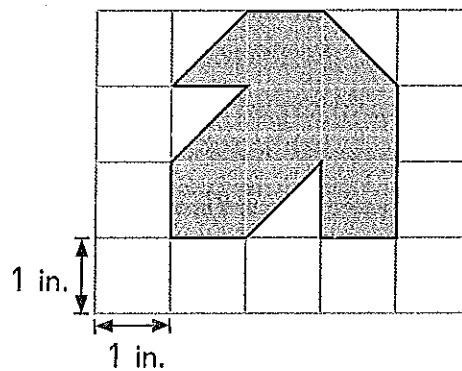


Figure B



16. Which figure has a greater area?

Figure _____

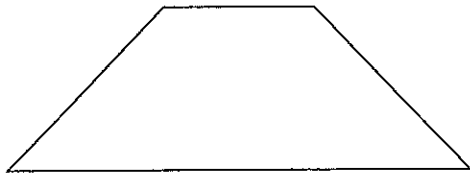
17. How much greater?

_____ in.²

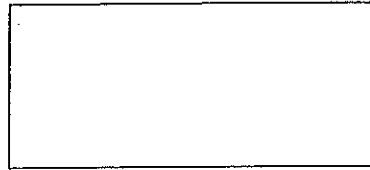
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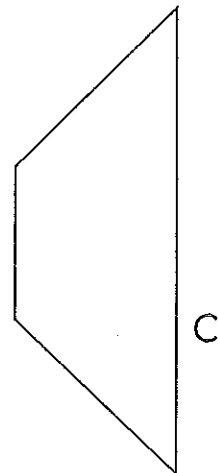
18. Which figures are congruent? (Lesson 18.2)



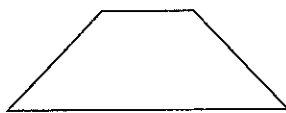
A



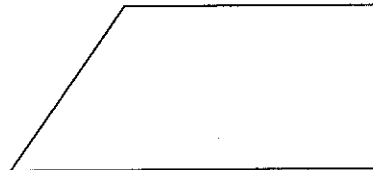
B



C



D

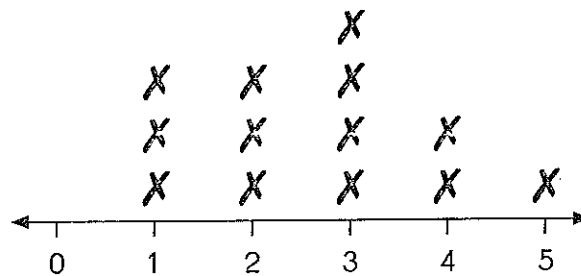


E

Figures _____ and _____

Look at the line plot to answer Exercises 19 and 20.

Beth surveyed her friends on the number of books they read last week. She drew a line plot to show her data. (Lesson 13.3)



Number of Books Read Last Week

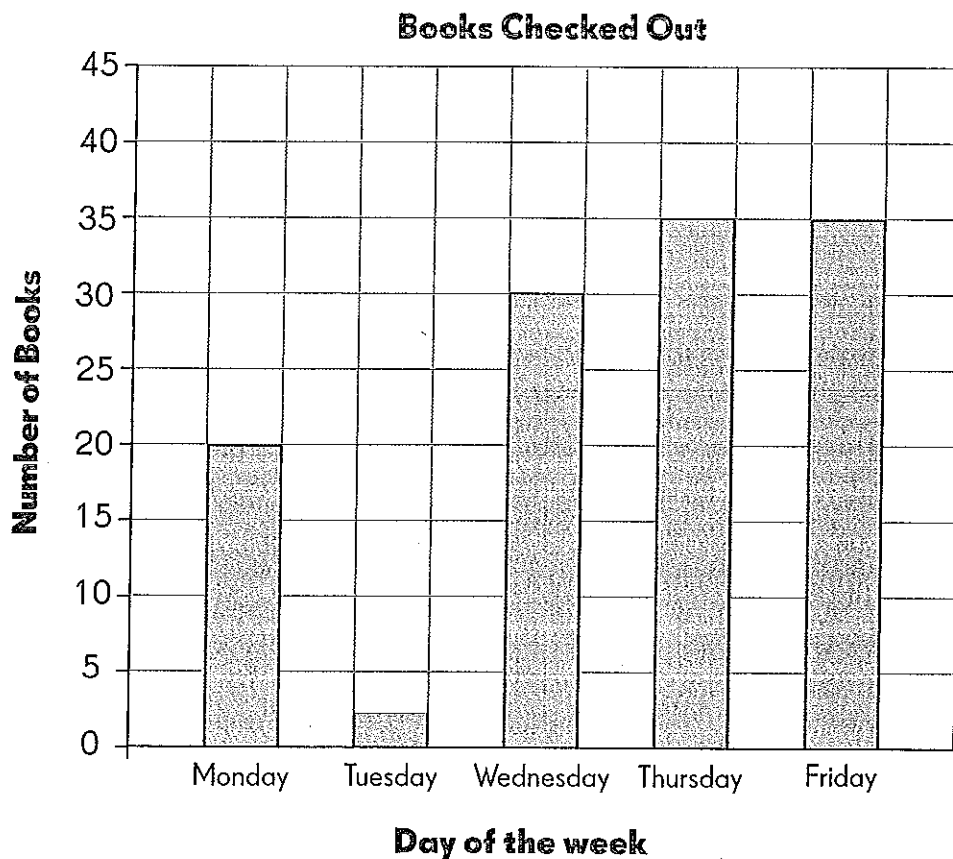
19. How many friends did she survey?

20. How many friends read more than three books last week?

Extended Response

The table and the bar graph show the number of books checked out of a library over five days. Some of the bars on the bar graph were incorrectly drawn.

Books Checked Out	
Monday	20
Tuesday	25
Wednesday	30
Thursday	35
Friday	40



Name: _____

Date: _____

Look at the table and bar graph to answer Exercises 21 to 26.

- 21.** Complete the bar graph for Tuesday.
- 22.** One bar on the bar graph was incorrectly drawn for one of the days. On which day is it?

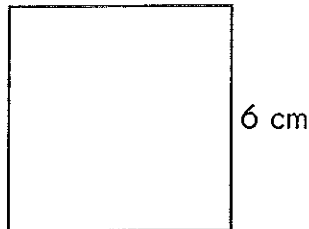
- 23.** Show the correct number of books checked out for that day in the bar graph.
- 24.** How many books were checked out during that week?
_____ books
- 25.** On which day was the number of books checked out twice as many as Monday?

- 26.** Look at the number of books checked out from Monday to Friday. What is the pattern?

Solve. Show your work.

- 27.** After a garage sale, Norman makes \$105.50. Julie makes \$38.75 more than Norman. Lana makes \$19.20 less than Julie. How much does Lana make?

- 28.** Colin uses a wire to make a square. Each side is 6 centimeters long. He then uses the same wire to make a triangle of three equal sides. How long is each side of the triangle?



Name: _____

Date: _____

Solve . Show your work.

- 29.** Pauline went to a party.
She spends 3 hours 25 minutes there.
She goes home at 2:15 P.M.
What time did she go to the party?

Draw a timeline to
help you.



Solve . Show your work.

- 30.** A family has two dogs, a husky and a terrier. The husky's mass is 23 kilograms. If he gains 7 kilograms, his mass will be five times that of the terrier. What is the mass of the terrier?

Summer Math Packet for Students Entering 5th Grade**Mid-Year Review****Test Prep****Multiple Choice****Fill in the circle next to the correct answer.**

1. 13 thousands + 4 tens + 8 ones in standard form is _____. (Lesson 1.1)

(A) 1,348	(B) 10,348
(C) 13,048	(D) 13,480
2. In the number 83,415 the value of the digit 3 is _____. (Lesson 1.1)

(A) 30	(B) 300
(C) 3,000	(D) 30,000
3. 1,000 more than 37,568 is _____. (Lesson 1.2)

(A) 36,568	(B) 37,468
(C) 37,668	(D) 38,568
4. Estimate $681 - 307$ by rounding to the nearest 100. (Lesson 2.1)

(A) 300	(B) 370
(C) 374	(D) 400
5. Which is the greatest common factor of 27 and 45? (Lesson 2.2)

(A) 1	(B) 3
(C) 9	(D) 45
6. Which pair of numbers has both a prime and a composite number? (Lesson 2.2)

(A) 4 and 7	(B) 3 and 13
(C) 14 and 28	(D) 6 and 8

- 7.** What is the sum of the first two multiples of 6? (*Lesson 2.3*)
- (A) 3 (B) 6
(C) 12 (D) 18
- 8.** Mr. Finch exercises at the gym every two days. Mr. Chavez exercises at the gym every five days. When will they meet next if they first met on January 5? (*Lesson 2.3*)
- (A) January 7 (B) January 10
(C) January 15 (D) January 25
- 9.** Divide 5,613 by 7. The remainder is _____. (*Lesson 3.4*)
- (A) 1 (B) 6
(C) 18 (D) 81
- 10.** After using 35 jars to store 14 marbles each, Ali has 3 marbles left. How many marbles did he have at first? (*Lesson 3.5*)
- (A) 52 (B) 178
(C) 490 (D) 493
- 11.** The table shows the medals different teams won at a competition. (*Lesson 4.2*)

Number of Medals Won

Team	Gold	Silver	Bronze
Sandcastle	3	5	8
Coral Reef	6	1	5
Sunshine	2	4	3
Sea Horse	5	2	6

At which intersection was one medal won?

- (A) Sandcastle and Gold (B) Coral Reef and Silver
(C) Sunshine and Bronze (D) Seahorse and Silver

- 12.** Find the mode. (*Lesson 5.2*)

31 lb 36 lb 21 lb 40 lb 38 lb 40 lb

- (A) 31 lb (B) 36 lb
(C) 37 lb (D) 40 lb

- 13.** Jim ordered cans of fruit cocktail for his diner for 6 months. (*Lesson 5.3*)

Cans of Fruit Cocktail	
Stem	Leaves
2	6 9
3	1 3 3
4	0

$$2|6 = 26$$

What is the median number of cans he ordered?

- (A) 29 cans (B) 32 cans
(C) 33 cans (D) 40 cans

- 14.** A bag contains 5 yellow balls and 3 green balls. Choose the correct word to describe the likelihood of drawing a yellow ball from the bag. (*Lesson 5.4*)

- (A) Impossible (B) Certain
(C) More likely (D) Less likely

- 15.** Stacy draws one of these number cards from a bag.

12 8 5 16 10 3

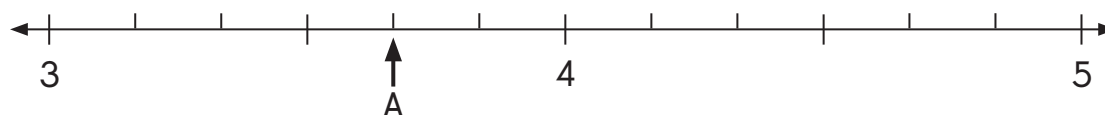
What is the probability that she draws a number less than 10? (*Lesson 5.5*)

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

16. Which two fractions have a sum of $\frac{9}{10}$? (Lesson 6.1)

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

17. Which mixed number is represented by **A** on the number line? (Lesson 6.3)



(A) $3\frac{4}{5}$ (B) $3\frac{2}{3}$
(C) $4\frac{1}{3}$ (D) $4\frac{2}{3}$

18. How many fifths are in $2\frac{3}{5}$? (Lesson 6.4)

(A) 10 (B) 11
(C) 13 (D) 23

19. Express $\frac{14}{6}$ as a mixed number in simplest form. (Lesson 6.5)

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

20. Ms. Lee cut a piece of yarn into different fractional parts:

$\frac{1}{12}$, $\frac{1}{4}$ and $\frac{5}{12}$. What fraction of the yarn is left? (Lesson 6.7)

(A) $\frac{1}{4}$ (B) $\frac{5}{12}$
(C) $\frac{8}{12}$ (D) $\frac{3}{4}$

Short Answer

Read each question carefully. Write your answer in the space provided. Give your answers in the correct units.

- 21.** Write forty thousand, sixteen in expanded form. (Lesson 1.1)

- 22.** Arrange the numbers in order from least to greatest. (Lesson 1.2)

6,407

19,999

6,047

20,005

- 23.** Estimate the quotient of $713 \div 9$. (Lesson 2.1)

- 24.** The table shows the number of people who visited the space ride at a theme park. Complete the table. (Lesson 4.2)

Number of Visitors at the Space Ride

	Male	Female	Total
Adults	18		50
Children	32	38	

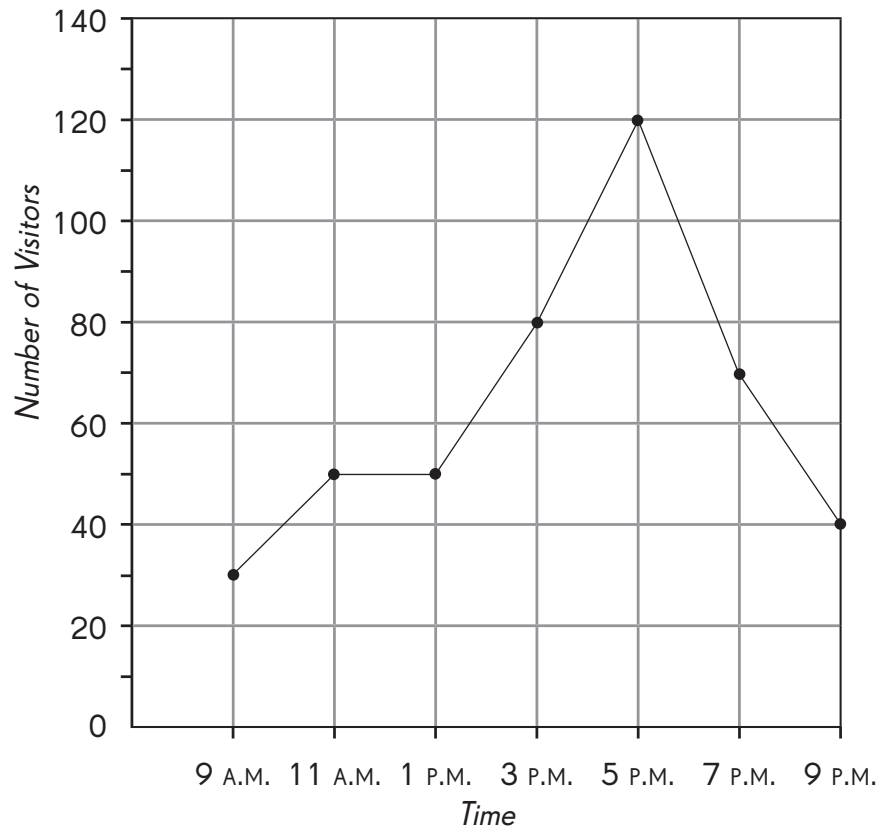
Use the table to answer Exercises 25 and 26.

- 25.** How many people visited the space ride? (Lesson 4.2) _____

- 26.** What fraction of the people who visited the space ride were children? (Lesson 6.7)

The line graph shows the number of visitors at a museum during the course of a day. (Lesson 4.3)

Visitors at a Museum



- 27.** By how much did the visitor population increase from 1:00 P.M. to 3:00 P.M.? _____
- 28.** During which interval did the visitor population decrease the most?

- 29.** During which interval did the same number of visitors arrive and depart?

Use the line plot to solve Exercises 30 and 31. (Lesson 5.2)

The line plot shows the number of siblings each student in John's class has.



30. Find the median of the set of data. _____

31. Find the mode of the set of data. _____

Use the stem-and-leaf plot to solve Exercises 32 and 33. (Lesson 5.3)

The stem-and-leaf plot shows the number of orchids produced by 10 greenhouse plants in one month.

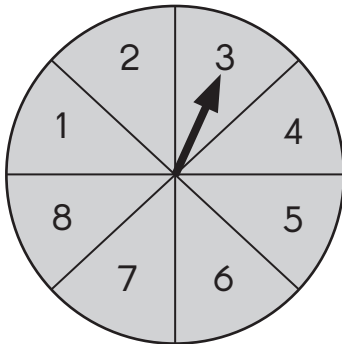
Number of Orchids	
Stem	Leaves
0	8 9
1	5 5 6
2	0 2 3 4
3	9

$$0|8 = 8$$

32. The median of the set of data is _____.

33. The outlier of the set of data is _____.

Look at the spinner. Write *more likely*, *less likely*, *equally likely*, *certain*, or *impossible*. Explain your answer. (Lesson 5.4)

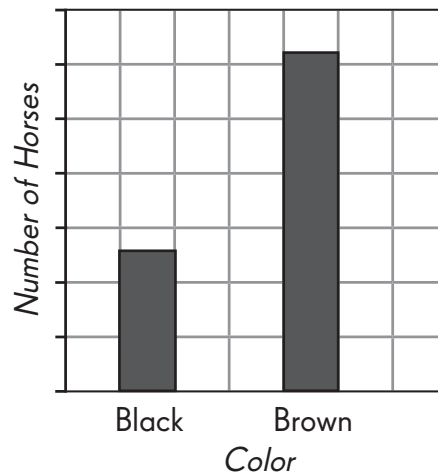


- 34.** The spinner is _____ to land on an odd number or an even number.

Reason: _____

The bar graph shows the color of the horses at a horse show.

Color of Horses at a Show



- 35.** Which set is more likely to be the one shown in the bar graph? (Lesson 5.4)

Color of Horses at a Show

Color	Black	Brown
Set A	5	3
Set B	10	10
Set C	15	34

Answer each question.

- 36.** A bag has 5 red beads, 8 green beads, and 4 yellow beads. What is the probability of drawing a yellow bead from the bag? (*Lesson 5.5*)

- 37.** Find the sum of $\frac{1}{6}$, $\frac{1}{6}$, and $\frac{2}{3}$. (*Lesson 6.1*)

- 38.** What is $1\frac{1}{4} - \frac{5}{8}$? (*Lesson 6.6*)

- 39.** A container and 6 lemons have a total weight of $\frac{4}{5}$ pound. Two lemons have a total weight of $\frac{1}{10}$ pound. Find the weight of the container if all the lemons have the same weight. (*Lesson 6.8*)
-

Extended Response

Solve. Show your work.

- 40.** A clinic needs 1,350 chairs for a charity event. Three stores donate chairs. Store A donates 216 chairs, Store B donates 420 chairs, and Store C donates 376 chairs. Does the clinic have enough chairs? Decide if you need to find an estimate or an exact answer. (*Lesson 2.1*)
- 41.** Barrie had some stamps. He gave $\frac{1}{8}$ of them to Tom. If he gave 15 stamps to Tom, how many stamps did he have at first? (*Lesson 6.8*)

- 43.** A factory packages 4,250 boxes of cereal. The number of oat cereal boxes is 715 more than the number of wheat cereal boxes. The number of fruit cereal boxes is 5 times the number of wheat cereal boxes. How many fruit cereal boxes does the factory package? (*Lesson 3.5*)

- 44.** Three people guess the number of cherries in a bag, rounded to the nearest 10. Alex guesses 80 cherries, Jess guesses 60 cherries, and Nia guesses 70 cherries. The actual number is a multiple of 7. The sum of the digits of the number is 9. Who guessed correctly? (*Lesson 2.1 and 2.2*)

End-of-Year Review

Test Prep

Multiple Choice

Fill in the circle next to the correct answer.

1. The digit 9 in 89.4 stands for _____. (Lesson 7.2)
- (A) 9 hundredths (B) 9 tenths
(C) 9 ones (D) 9 tens
2. Find $9.50 - 2.63$. (Lesson 8.2)
- (A) 5.07 (B) 5.73
(C) 6.67 (D) 6.87
3. The product of 9 and _____ is 1,107. (Lesson 3.1)
- (A) 123 (B) 1,098
(C) 1,116 (D) 9,963
4. The table shows the number of fruit and biscuits a group of students have. Some numbers in the table are missing. Use the information in the table to answer the question. (Lesson 4.1)

Name	Number of Fruit	Number of Biscuits	Total
Annabel	25	34	59
Mandy	12	26	38
Crystal		17	

The total number of fruit and biscuits is 120. How many fruit does Crystal have?

- (A) 6 (B) 23
(C) 37 (D) 97

5. The stem-and-leaf plot shows the points scored by Jason in nine basketball games. (Lesson 5.3)

Jason's Scores	
Stem	Leaves
1	0 2 9
2	3 6 6 7
3	4
4	0

What is the outlier of the set of data?

- (A) 40 (B) 26
(C) 23 (D) 10
6. Peter draws one of these number cards from a bag. (Lesson 5.5)

4	1	12	7	23	10
---	---	----	---	----	----

What is the probability that he draws a number less than 10?

- (A) $\frac{1}{2}$ (B) $\frac{1}{3}$
(C) $\frac{1}{4}$ (D) $\frac{1}{6}$
7. Subtract $\frac{2}{4}$ from $\frac{7}{12}$. Express your answer in simplest form. (Lesson 6.2)

- (A) $\frac{1}{12}$ (B) $\frac{2}{15}$
(C) $\frac{2}{5}$ (D) $\frac{11}{15}$

8. $4\frac{3}{5} = \underline{\hspace{2cm}}$ (Lesson 6.3)

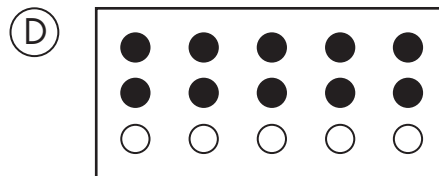
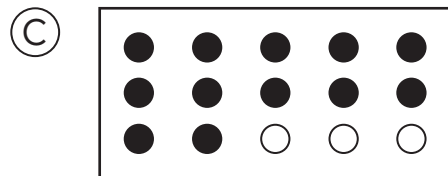
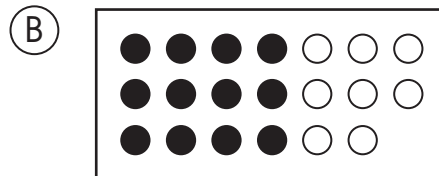
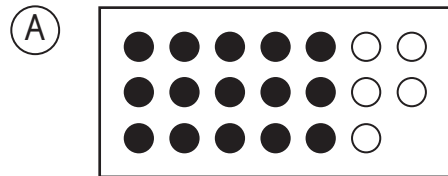
(A) $\frac{12}{5}$

(B) $\frac{20}{5}$

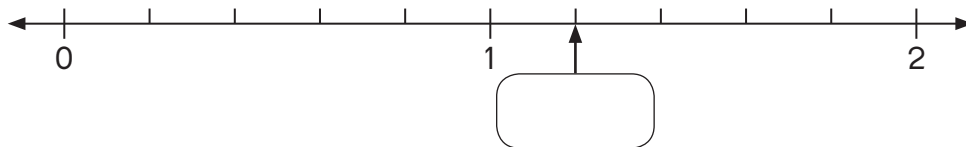
(C) $\frac{23}{5}$

(D) $\frac{43}{5}$

9. Which of the shaded parts represents $\frac{4}{5}$ of a set? (Lesson 6.7)



10.



The arrow is pointing at _____. (Lesson 7.1)

(A) 0

(B) 1.2

(C) 1.3

(D) 4

- 11.** Ava's mass is 45.0 kilograms when rounded to 1 decimal place. What is her least possible mass? (*Lesson 7.4*)

(A) 45.01 kilograms (B) 44.95 kilograms
(C) 44.99 kilograms (D) 44.55 kilograms

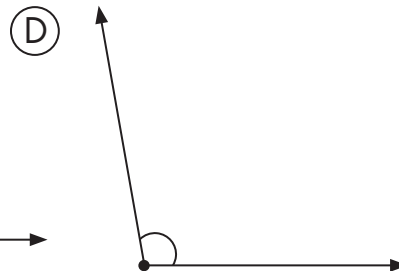
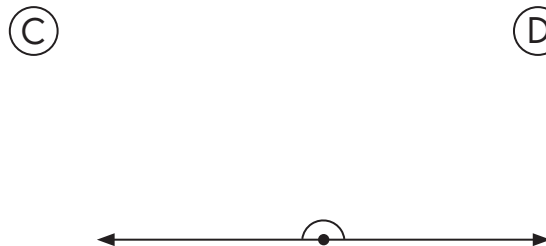
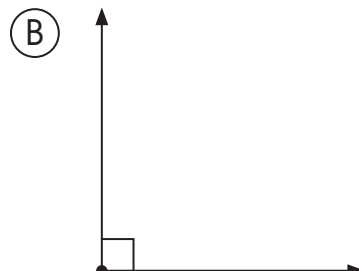
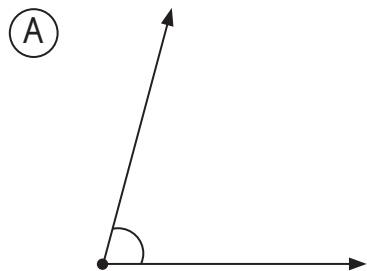
- 12.** 0.55 is not equal to _____. (*Lesson 7.5*)

(A) $\frac{11}{20}$ (B) $\frac{55}{100}$
(C) $\frac{550}{1,000}$ (D) $\frac{55}{10}$

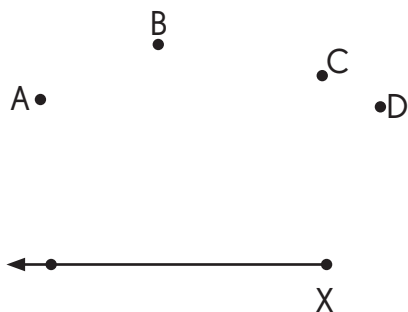
- 13.** $4.6 - 0.46$ is equal to _____. (*Lesson 8.2*)

(A) 0 (B) 4.14
(C) 4.20 (D) 4.26

- 14.** Which of these angles is an acute angle? (*Lesson 9.1*)



15.

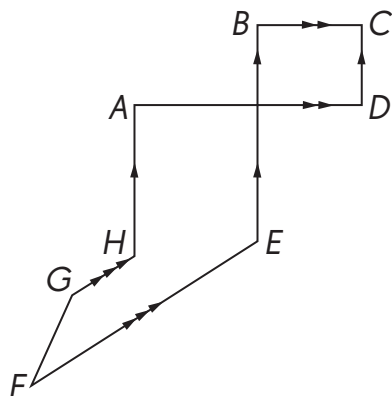


Sam needs to draw an angle of 125° from point X .
He must join point X to point _____. (Lesson 9.2)

Ⓐ A Ⓑ B Ⓒ C Ⓓ D

16.

Refer to the figure to answer Exercises 15 and 16.



Which line segment is perpendicular to $\overline{AH}$? (Lesson 10.1)

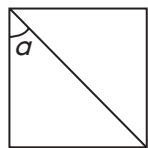
Ⓐ HG Ⓑ BE Ⓒ FE Ⓓ AD

17.

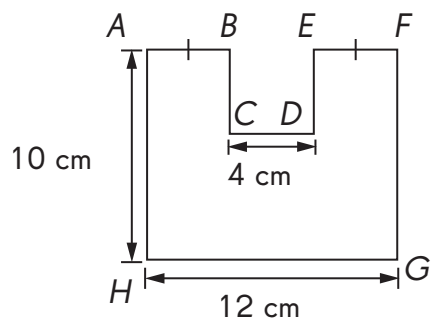
Which line segment is parallel to $\overline{CD}$? (Lesson 10.2)

Ⓐ AD Ⓑ GH Ⓒ BE Ⓓ FG

18. In the square below, find the measure of $\angle a$. (Lesson 11.2)

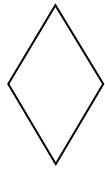


- (A) 30° (B) 45°
(C) 60° (D) 90°
19. The perimeter of a rectangle is 24 centimeters.
The length of one of its sides is 5 centimeters.
What is the area? (Lesson 12.1)
- (A) 7 cm^2 (B) 14 cm^2
(C) 35 cm^2 (D) 49 cm^2
20. All line segments on the figure meet at right angles.
Find EF . (Lesson 12.1)

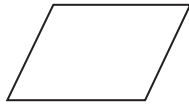


- (A) 4 cm (B) 6 cm
(C) 8 cm (D) 10 cm

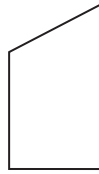
21. Which pair of figures are symmetric? (*Lesson 13.1*)



A



B



C



D

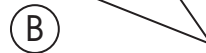
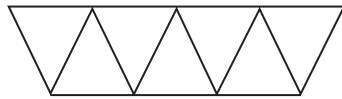
(A) A and B

(B) B and C

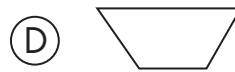
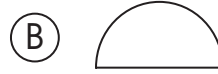
(C) C and D

(D) D and A

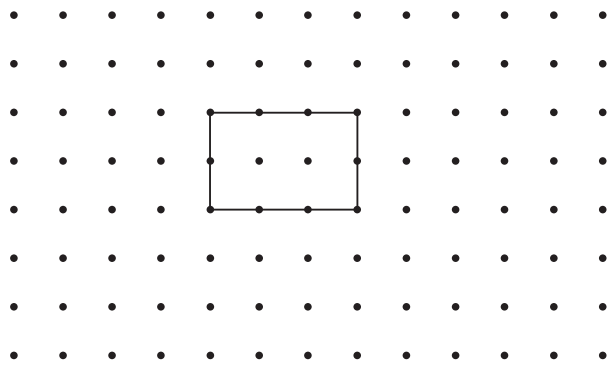
22. What is the repeated shape used in the tessellation? (*Lesson 14.1*)



23. Which of these shapes has rotational symmetry? (*Lesson 13.2*)

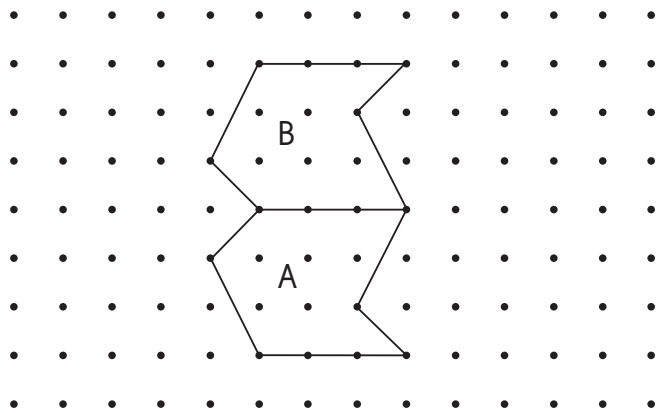


24. This shape can be tessellated by _____. (Lesson 14.2)



- | | |
|------------------------------------|--|
| ☐ (A) sliding | ☐ (B) rotation |
| ☐ (C) flipping | ☐ (D) All of the above |

25.



From position A to B, the unit shape has been _____.

- | | |
|-----------------------------------|---|
| ☐ (A) slid | ☐ (B) rotated |
| ☐ (C) flipped | ☐ (D) none of the above |

Short Answer

**Read each question carefully. Write your answers in the space given.
Give your answers in the correct units.**

- 26.** I am a number between 30 and 50. I am a multiple of 8.
My greatest common factor with 25 is 5.
What number am I? (*Lessons 2.2 and 2.3*)

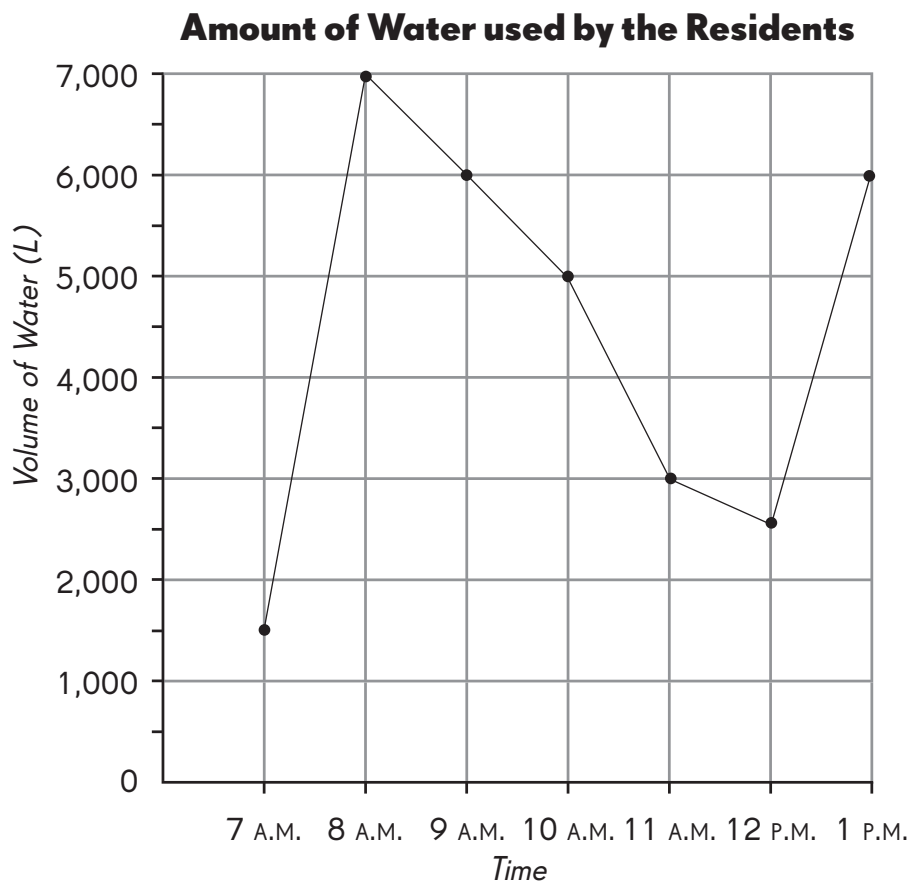
- 27.** The table shows the number of marbles Anthony and Michelle have.
Complete the table and answer the questions. (*Lesson 4.1*)

	Red Marbles	Blue Marbles	Total
Anthony	18	26	
Michelle	37		61

- a.** What was the total number of red marbles?

- b.** What fraction of the total number of marbles were blue?

- 28.** The graph shows the amount of water used by the residents of an apartment block over a morning. (*Lesson 4.3*)



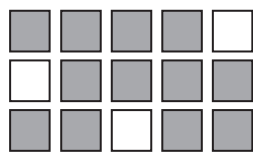
- a.** At which two times was the same amount of water used?
- b.** At what time was the amount of water used twice that used at noon?
- 29.** A bag has 5 pink balls, 8 yellow balls, and 4 blue balls. What is the probability of drawing a pink ball from the bag? (*Lesson 5.5*)

- 30.** What is $\frac{7}{12} - \frac{2}{6}$? Express your answer in simplest form. (*Lesson 6.2*)
-
-

31. Express $\frac{30}{7}$ as a mixed number. (Lesson 6.5)

32. Find the difference between $\frac{5}{8}$ and 3. (Lesson 6.6)

33. How many grey squares must be replaced by white squares so that $\frac{2}{3}$ of the total number of squares are grey? (Lesson 6.7)



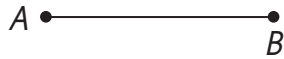
34. What is the number in the box? (Lesson 7.2)

$$6.34 = 6 + 0.3 + \boxed{}$$

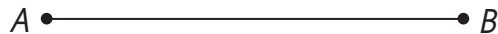
35. Li Li is 1.85 meters tall. Round her height to the nearest tenth of a meter. (Lesson 7.4)

36. Express $5\frac{6}{25}$ as a decimal. (Lesson 7.5)

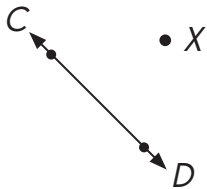
- 37.** Draw and label a line segment BC such that the measure of angle ABC is 167° . Line segment AB is given. (Lesson 9.2)



- 38.** Draw a line segment perpendicular to AB through point O . (Lesson 10.1)

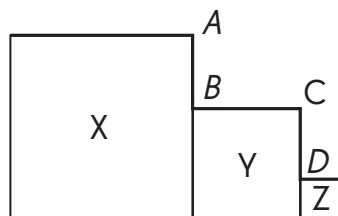


- 39.** Draw a line parallel to $\overleftrightarrow{CD}$ passing through point X . (Lesson 10.2)



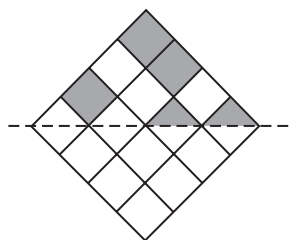
- 40.** AB is a vertical line segment and BC is a horizontal line segment. Find the measure of $\angle ABC$. (Lesson 10.3)

- 41.** Look at the figure below to answer the question. (*Lesson 12.3*)

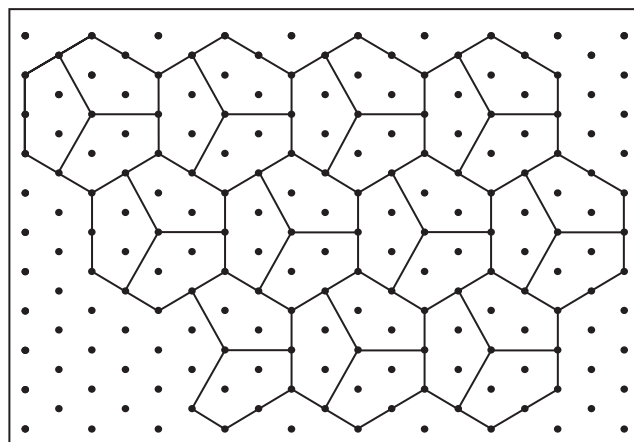


X, Y, and Z are squares. The length of each side of X is 5 centimeters and the length of each side of Y is 3 centimeters. $AB = CD$. Find the total length of the thick lines in the figure.

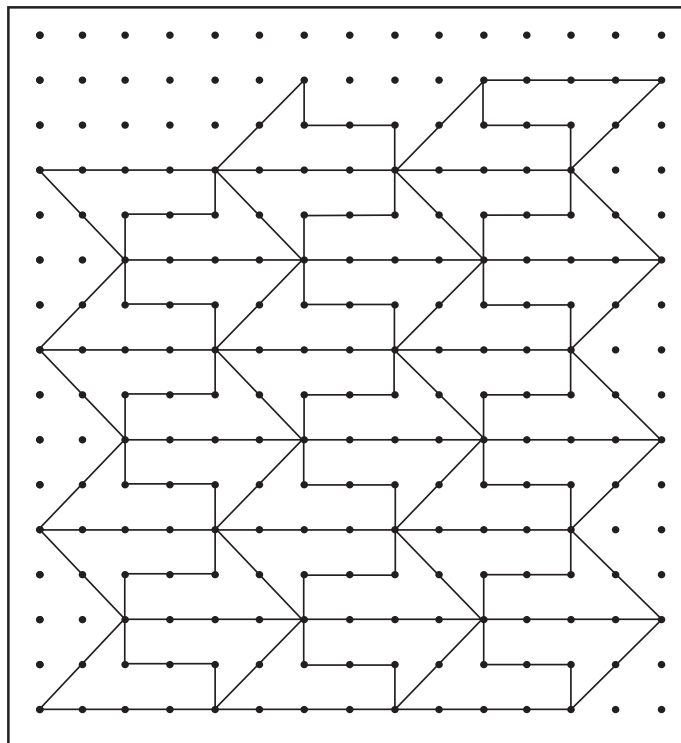
- 42.** Shade some squares and half-squares to make a symmetric pattern in the figure. (*Lesson 13.3*)



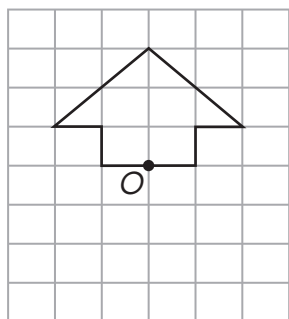
- 43.** In the tessellation below, the unit shape is . Extend the tessellation in the space provided by adding four more unit shapes. (*Lesson 14.2*)



- 44.** Complete the tessellation by adding three more unit shapes. (*Lesson 14.2*)



- 45.** Complete the figure so that it has rotational symmetry about point O . (*Lesson 13.3*)



- 46. a.** Does the word N O have rotational symmetry? (*Lesson 13.3*)

- b.** Fill in the box with a letter so that N O will have rotational symmetry. (*Lesson 13.3*)

Extended Response

Solve. Show your work.

- 47.** Jane used $\frac{1}{4}$ of the flour to make biscuits.

She used $\frac{1}{2}$ of the flour to bake a cake.

What fraction of the flour was left?

- 48.** Mr. Lim has some savings. If he gives \$40 to one brother, he will have \$6,145 left. But he decides to give all his savings to his 5 brothers equally. How much will each brother get?

- 49.** Rita bought fabric and ribbon from a store. The ribbon cost \$18.50. Rita paid the cashier \$50.00 and received change of \$5.25. How much did the fabric cost?

- 50.** The area of a rectangle is 98 square centimeters, and its width is 7 centimeters. Find the length.

- 51.** Richard planted some grass on a rectangular plot of land which measures 12 meters by 8 meters. He left a margin of 0.5 meters around the grass, as shown in the figure below. Find the area of land covered by grass. (*Lesson 12.4*)

