



ICS1



Spring Break!

Due:
Monday
April 29, 2019

Student Name: _____

Parent Signature: _____

Packets can be found on
<http://www.ica hncharterschool1.org/>

1 Theo divided a garden equally into 6 parts. He planted seeds in 5 of the parts. In what fraction of the garden did Theo plant seeds?

A $\frac{1}{6}$

B $\frac{1}{5}$

C $\frac{5}{6}$

D $\frac{6}{5}$

2 What number makes the equation below true?

$$35 \div ? = 7$$

A 5

B 6

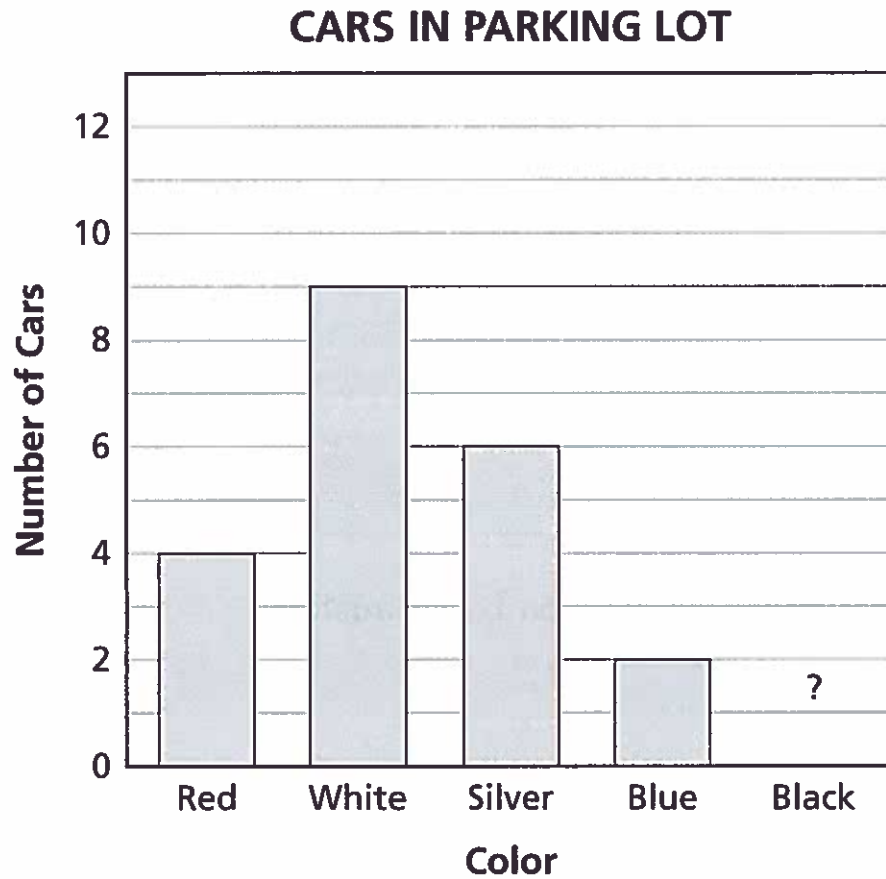
C 7

D 8

GO ON

5

The bar graph shows the numbers and colors of cars in a parking lot.



The total number of silver and black cars equals the total number of red, white, and blue cars. How many black cars are in the parking lot?

- A 9
- B 10
- C 15
- D 30

GO ON

- 6 Colton and his dad bought a gallon of paint that cost \$13. They also bought 2 brushes that cost \$9 each. What was the total cost, not including tax, of the brushes and the paint they bought?

- A \$22
- B \$24
- C \$31
- D \$35

- 7 The table below shows four numbers rounded to the nearest hundreds place. One of the numbers is rounded incorrectly.

Starting Number	Rounded to the Nearest Hundred
1,212	1,200
2,396	2,300
3,636	3,600
5,573	5,600

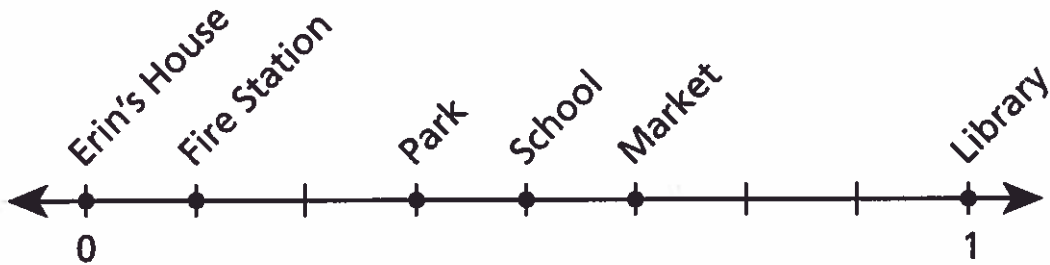
Which number is rounded to the nearest hundreds place incorrectly?

- A 1,212
- B 2,396
- C 3,636
- D 5,573

8 Tayshawn sorts 56 marbles into equal groups with no marbles left over. Which statement could be true of the groups of marbles Tayshawn sorts?

- A There are 6 groups of marbles with 8 marbles in each group.
- B There are 7 groups of marbles with 7 marbles in each group.
- C There are 8 groups of marbles with 7 marbles in each group.
- D There are 9 groups of marbles with 6 marbles in each group.

9 Erin walked 1 mile from her house to the library. Along the way, she passed several places shown on the number line below.



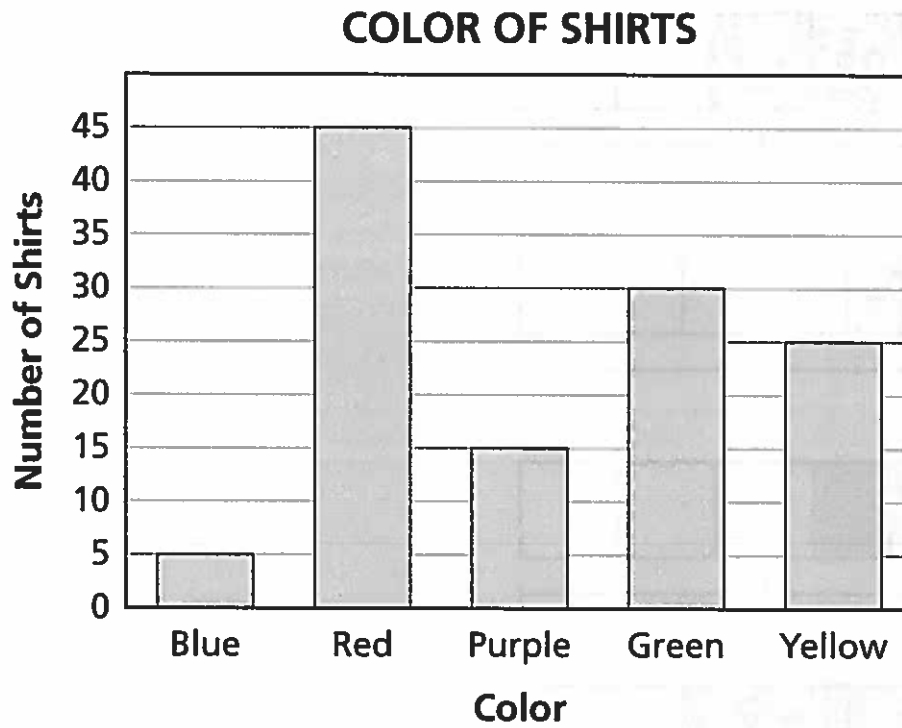
Which place is $\frac{4}{8}$ mile from Erin's house?

- A the fire station
- B the park
- C the school
- D the market

GO ON

13

The graph below shows the number of shirts of each color in a store.

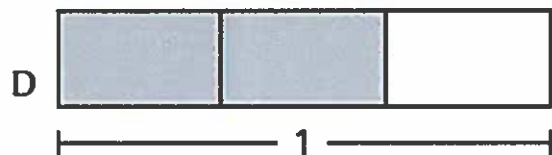
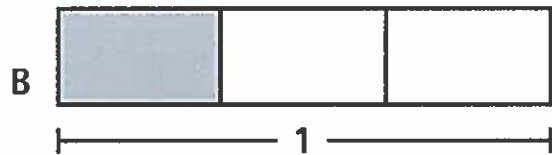
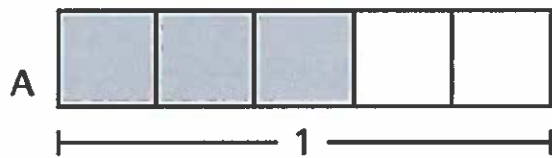


How many more red shirts than the total number of blue shirts and yellow shirts are in the store?

- A 15
- B 30
- C 40
- D 45

GO ON

- 16 Which of these is shaded to represent $\frac{2}{3}$?



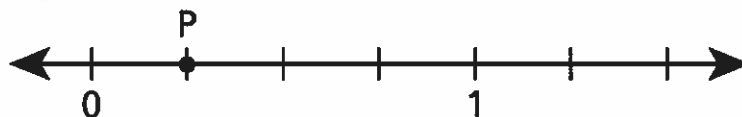
- 17 Carmen saved 592 pennies. Her sister saved 128 pennies. Together, they put 250 pennies in wrappers and took them to the bank. What is the total number of pennies, rounded to the nearest hundred, Carmen and her sister have left?

- A 300
- B 500
- C 700
- D 1,000

GO ON

20

Which fraction does point P represent on the number line below?



A $\frac{1}{6}$

B $\frac{2}{6}$

C $\frac{1}{4}$

D $\frac{2}{4}$

21

Anya placed 16 cups in rows on a table. There are 8 cups in each row. Which equation could be used to represent this situation?

A $16 \times 8 = \square$

B $8 + 16 = \square$

C $\square \div 8 = 16$

D $\square \times 8 = 16$

GO ON

22 Which fraction is equal to $\frac{2}{8}$?

A $\frac{8}{2}$

B $\frac{1}{2}$

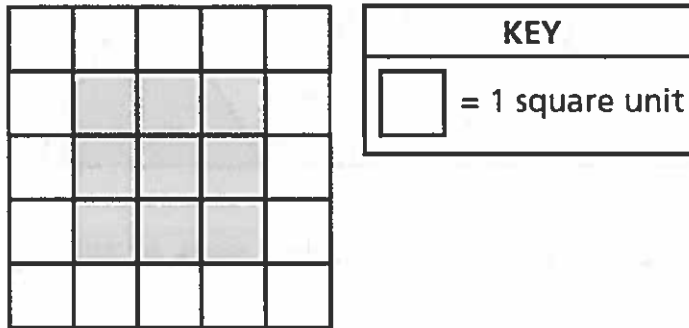
C $\frac{2}{4}$

D $\frac{1}{4}$

STOP

23

Brandon used square tiles to find the area of the shaded part of the picture below.



What is the area of the shaded part of the picture?

- A 3 square units
- B 6 square units
- C 8 square units
- D 9 square units

24

Which pair of equations is true when the number 8 is placed in the blanks?

A $4 \times \underline{\quad} = 32$
 $32 \div \underline{\quad} = 4$

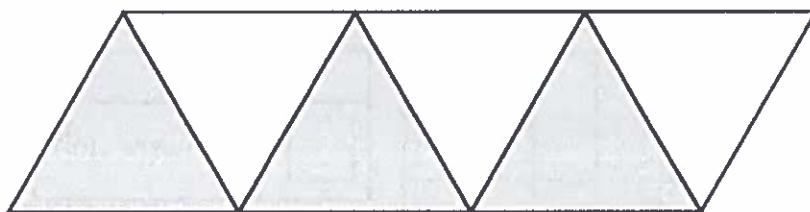
B $5 \times \underline{\quad} = 40$
 $\underline{\quad} \div 40 = 5$

C $6 \times 48 = \underline{\quad}$
 $48 \div \underline{\quad} = 6$

D $7 \times \underline{\quad} = 63$
 $63 \div \underline{\quad} = 7$

GO ON

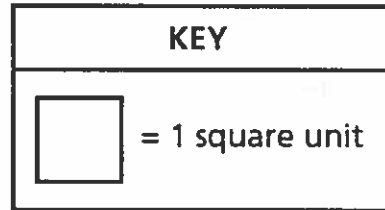
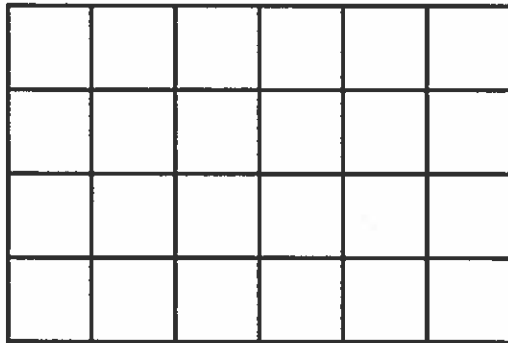
- 25 The figure below is divided into equal-sized parts.



Which fraction is represented by the shaded parts of the figure?

- A $\frac{1}{3}$
- B $\frac{3}{3}$
- C $\frac{3}{6}$
- D $\frac{6}{3}$
- 26 There are 12 students in Ms. Miller's class. She needs 24 juice boxes for a class party. The juice boxes come in packages of 6 juice boxes each. Which expression represents the number of packages of juice boxes Ms. Miller needs to buy for the class party?
- A $24 + 12$
- B $36 \div 6$
- C 12×6
- D $24 \div 6$

- 27 The figure below is tiled with squares.



Which expression could be used to find the area of this figure?

- A 4×6
- B $4 + 6$
- C $4 \times 4 \times 6 \times 6$
- D $4 + 4 + 6 + 6$

29 Which expression is equivalent to 5×9 ?

A $(5 \times 4) \times (5 \times 5)$

B $(5 \times 5) + (5 \times 4)$

C $(5 \times 5) + (5 \times 9)$

D $(5 \times 9) \times (5 \times 9)$

30 A coach rounded the number of runners at a track meet to the nearest 10. The rounded number of runners is 400. Which number could be the actual number of runners at the track meet?

A 382

B 397

C 406

D 447

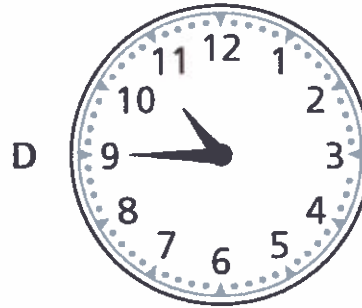
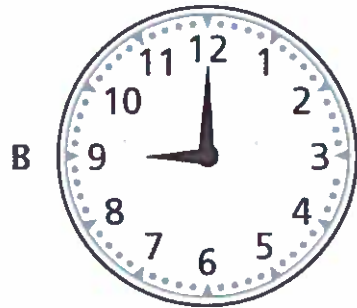
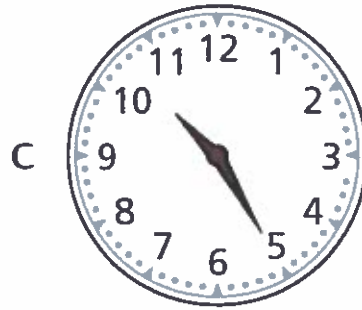
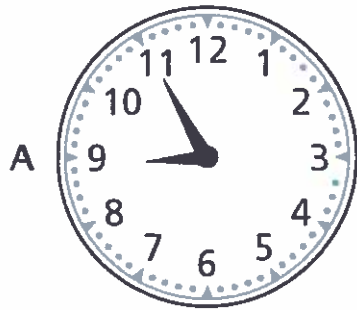
31 Last weekend Sanjay watched 3 television shows that were each 30 minutes long. He also watched 1 movie on television that was 90 minutes long. What is the total number of minutes Sanjay watched television last weekend?

- A 100
- B 120
- C 150
- D 180

32 A total of 30 players will play basketball at a park. There will be exactly 5 players on each team. Which statement correctly explains how to find the number of teams needed?

- A Add 5 to 30 to find 35 teams.
- B Divide 30 by 5 to find 6 teams.
- C Multiply 30 and 5 to find 150 teams.
- D Subtract 5 from 30 to find 25 teams.

- 35 Frankie's music class begins at 9:40 a.m. The class is 45 minutes long. Which clock shows the time that Frankie's class ends?



- 36 What number multiplied by 4 equals 36?

- A 6
- B 7
- C 8
- D 9

GO ON

- 37 The fraction strip shown below is shaded to represent a fraction.



Which fraction strip is shaded to represent a fraction equal to the fraction strip shown above?



- 38 Which fraction comparison is **not** correct?

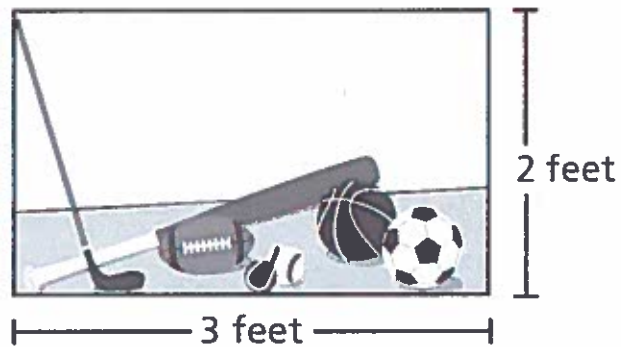
A $\frac{1}{3} < \frac{2}{3}$

B $\frac{3}{4} < \frac{1}{4}$

C $\frac{2}{3} > \frac{2}{8}$

D $\frac{5}{6} > \frac{5}{8}$

- 39 Kelly has a rectangular poster in her room. The poster is shown below.

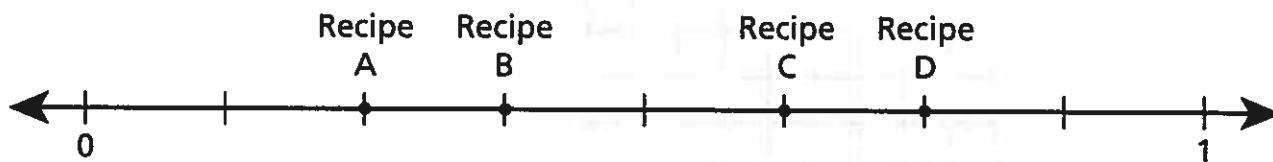


What is the area, in square feet, of Kelly's poster?

- 40 Ms. Perez drove a total of 40 miles in 5 days. She drove the same number of miles each day. How many miles did Ms. Perez drive each day?
- A 5
B 7
C 8
D 9

GO ON

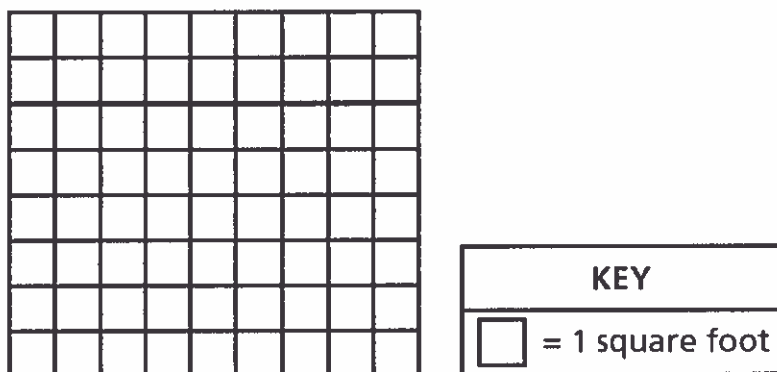
- 41 Four different recipes were used by students to bake cookies for a bake sale. The number line below shows the fraction of a cup of milk needed in each recipe.



Which recipe needs $\frac{3}{8}$ cup of milk?

- A Recipe A
- B Recipe B
- C Recipe C
- D Recipe D

- 43 The diagram below represents a wall Kim painted in her basement.



What is the area, in square feet, of the wall Kim painted?

- A 17
 - B 34
 - C 64
 - D 72
- 44 Conor made 9 shapes with straws. Each shape had 5 straws. Conor used 15 more straws to make more shapes. What is the total number of straws Conor used to make all the shapes?
- A 20
 - B 29
 - C 45
 - D 60

STOP

45 Write a fraction that is less than $\frac{1}{3}$ using 1 as the numerator.

Answer _____

Explain why the answer you chose is less than $\frac{1}{3}$.

Answer

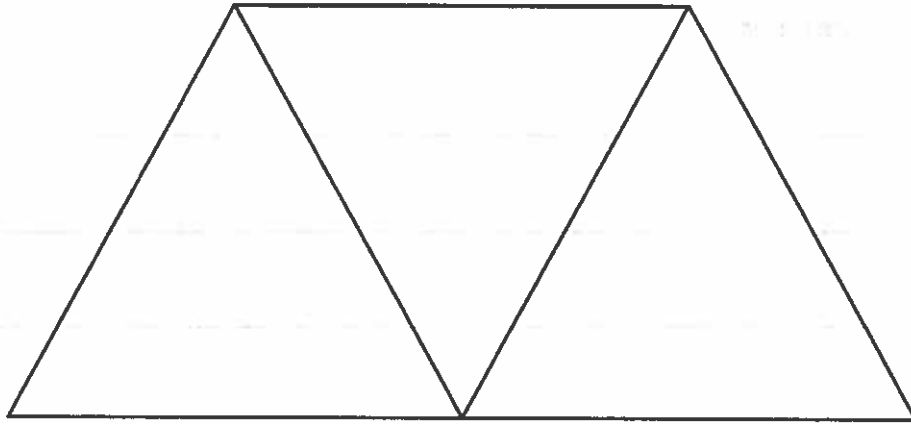
- 46 Patti puts 40 marbles in a bag. Each marble has a mass of 3 grams. What is the total mass of the bag of marbles?

Show your work.

Answer _____ grams

GO ON

- 47 Ved drew the shape below by combining exactly three triangles of the same size and shape.



What fraction of the area of the whole shape is each triangle?

Answer _____

Explain how you know your answer is correct.

48

Leslie says that 5 multiplied by an even number always results in an even product. Is Leslie's statement correct?

Explain your answer.

49

Mrs. Ruiz bought 5 bags of balloons for a party. Each bag contained 70 balloons. Andy said Mrs. Ruiz bought a total of 75 balloons. Andy is incorrect.

What error did Andy make when calculating the total number of balloons?

What is the total number of balloons Mrs. Ruiz bought?

Show your work.

Answer _____ balloons

GO ON

50

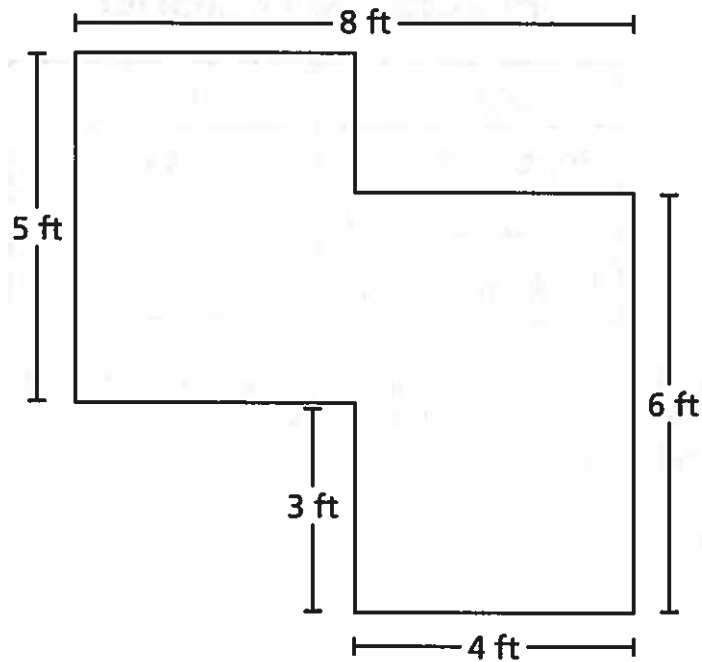
A band has 36 members. They are arranged into 6 equal rows. How many band members are in each row?

Show your work.

Can the same 36 band members be placed into exactly 7 equal rows? Why or why not?

Explain your answer.

- 51 A gardener is drawing plans for a new yard. She creates the picture below to represent the size and shape of a new lawn.



How can the gardener find the total area of the new lawn? Describe the process she can use.

What is the total area of the new lawn?

Answer _____ square feet

GO ON

52

Ms. Amani and Mr. Blake each ordered supplies for their classrooms. The cost of the supplies is shown below.

CLASSROOM SUPPLIES

Supply	Cost
Pencil Case	\$3
Box of Crayons	\$4
Pack of Folders	\$2

Ms. Amani ordered 7 pencil cases and 9 packs of folders. Mr. Blake ordered 9 boxes of crayons. What is the difference in the cost of the supplies Ms. Amani ordered and the cost of the supplies Mr. Blake ordered?

Show your work.

Difference in cost \$_____

STOP

5th grade
2018

1

Which expression is another way to show 8×6 ?

- A $(2 + 4) + 6$
- B $(2 + 4) \times 6$
- C $(2 \times 4) + 6$
- D $(2 \times 4) \times 6$

30033
major

The distance from Chicago to New York City is 794 miles. What is 794 rounded to the nearest hundred?

- A 700
- B 794
- C 800
- D 894

30033TA1
Additional 2

3

What number makes the equation true?

$$4 = \underline{\quad ? \quad} \div 7$$

- A 11
- B 21
- C 28
- D 32

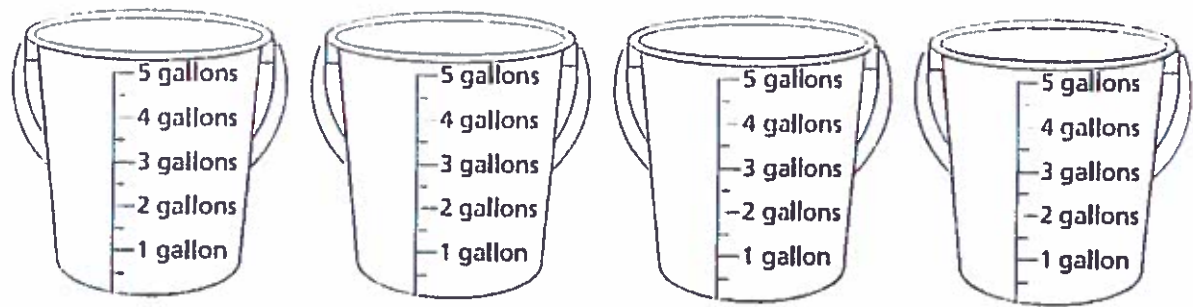
30033
Major

GO ON

2018
2018

3rd grade
math

6 A third-grade class is having a car wash. They put the same amount of water in each bucket, as shown.



Which expression can be used to find the total amount of water, in gallons, in all the buckets?

- A 4×3
- B 5×3
- C 4×4
- D 5×4

3rd grade
math

7 A bulletin board can be covered completely by 30 square pieces of paper without any gaps or overlaps. If each piece of paper has side lengths of 1 foot, what is the total area of the bulletin board?

- A 1 foot
- B 30 feet
- C 1 square foot
- D 30 square feet

GO ON

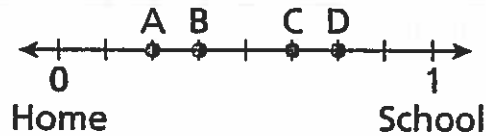


- 17 Joe and Mike both ran the same race. Joe finished the race 4 minutes before Mike. If Mike finished the race at 4:02 p.m., what time did Joe finish the race?

- A 3:58 p.m.
- B 4:06 p.m.
- C 8:02 p.m.
- D 12:02 p.m.

3M17P1
major

- 18 The distance between Liam's home and his school is exactly 1 mile, as shown on the number line below.



Liam buys a snack at a store that is $\frac{3}{8}$ mile from his home. What point on the number line shows the location of the store?

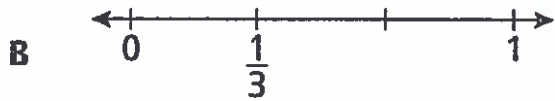
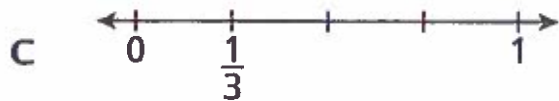
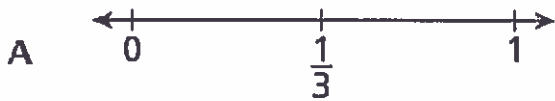
- A point A
- B point B
- C point C
- D point D

3M18P20
major

3 Feb
2018

317A2A
Major

22 Which number line shows the fraction $\frac{1}{3}$ plotted correctly?



317D A2
Major

23 A store has 8 fish tanks that each have 40 liters of water. What is the total number of liters of water in all of the fish tanks?

- A 5
- B 48
- C 280
- D 320

317D B2
Major

24 Last week, Paul ate 2 cookies each day for 5 days. This week, he ate 2 cookies each day for 4 days. Which expression can be used to represent the total number of cookies Paul ate in these two weeks?

- A $2 \times (5 \times 4)$
- B $2 \times (5 + 4)$
- C $(2 \times 5) \times (2 \times 4)$
- D $(2 + 5) \times (2 + 4)$

317D
A2 B2

25

Kay and Juanita each have a garden of the same size and shape.

- Kay grows flowers in $\frac{1}{6}$ of her garden.
- Juanita grows flowers in $\frac{1}{3}$ of her garden.

Which statement shows a correct comparison of the sections of flowers grown in Kay's garden and Juanita's garden?

A $\frac{1}{6} > \frac{1}{3}$

B $\frac{1}{6} < \frac{1}{3}$

C $\frac{1}{3} = \frac{1}{6}$

D $\frac{1}{3} + \frac{1}{6}$

STOP

342
2018

26 What number makes both equations true?

$$6 \times \underline{\quad ? \quad} = 48$$

$$48 \div 6 = \underline{\quad ? \quad}$$

- A 7
- B 8
- C 42
- D 54

27 A teacher puts 5 packages of craft paper into a cabinet. Each package has 80 sheets of paper. What is the total number of sheets of craft paper that the teacher puts into the cabinet?

- A 40
- B 85
- C 400
- D 450

GO ON

3/4 = 1/2
major

28 Jaime has a small container that holds exactly $\frac{1}{4}$ cup of dog food. How many times should Jaime fill the container and pour it into the dog's bowl to make sure the dog gets exactly $\frac{1}{2}$ cup of food?

A $\frac{1}{4}$

B $\frac{1}{2}$

C 2

D 4

29 Which situation can be solved using the expression $21 \div 3$?

30/21 = 1.42
major

A finding the number of shirts when there are 3 groups of 21 shirts

B finding the number of dresses when 21 more dresses are placed on a rack with 3 dresses

C finding the number of jackets left over when 3 out of 21 jackets are sold

D finding the number of skirts on each rack when a total of 21 skirts are placed equally on 3 racks

GO ON

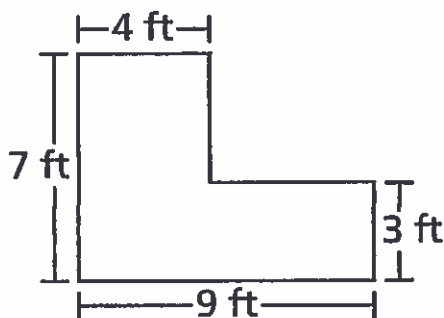
30 A number pattern is shown below.

5, 9, 13, 17, 21, 25, 29

Which rule could have been used to make the pattern?

- A Start with 0. Add 4 each time to get the next number.
- B Start with 0. Add 5 each time to get the next number.
- C Start with 5. Add 4 each time to get the next number.
- D Start with 5. Add 5 each time to get the next number.

31 The shape of Cindy's flower garden is shown below.



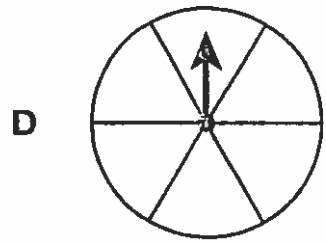
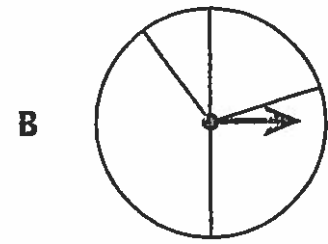
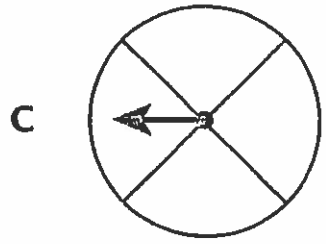
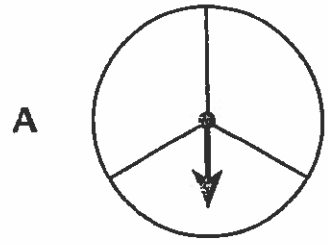
What is the area, in square feet, of Cindy's flower garden?

- A 23
- B 32
- C 43
- D 47

GO ON

36A2
Supper-hny

32 The Diaz family used a spinner to play a game. The spinner was in the shape of a circle. Each section of the spinner was $\frac{1}{4}$ of the whole circle. Which picture shows a spinner that the Diaz family used?



34F110
major

33 Which fraction is equivalent to 4?

- A $\frac{1}{4}$
- B $\frac{8}{4}$
- C $\frac{4}{4}$
- D $\frac{4}{1}$

1201
2018

34
2018
MCS

- 34 Beth met her friends at the library at 4:30 p.m. It took her 24 minutes to walk from her house to the library. What time did Beth leave her house to arrive at the library at exactly 4:30 p.m. ?

Show your work.

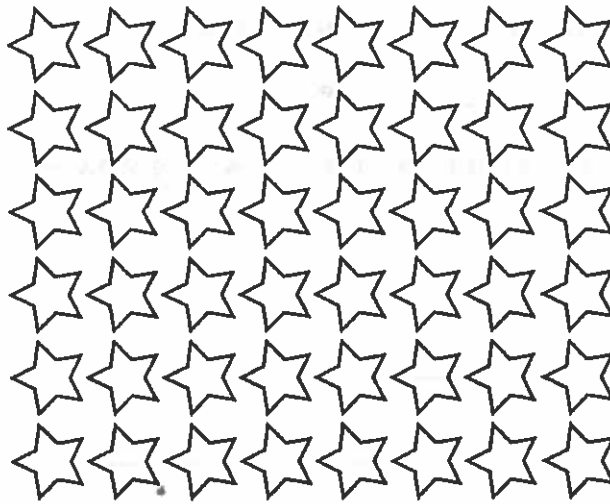
Answer _____ p.m.

GO ON

2018

35

Ethan made the array below to show the product of 6×7 .



Does Ethan's model show the product of 6×7 ? Explain why or why not.

Answer

GO ON

301
2518

36 Two teachers each buy pizzas for a party. All of the pizzas are the same size.

- Teacher A's pizzas were cut into 6 equal slices.
- Teacher B's pizzas were cut into 8 equal slices.

Which teacher's pizzas were cut into larger slices? Use what you know about fractions to explain your answer.

Answer

3 pts
major

GO ON

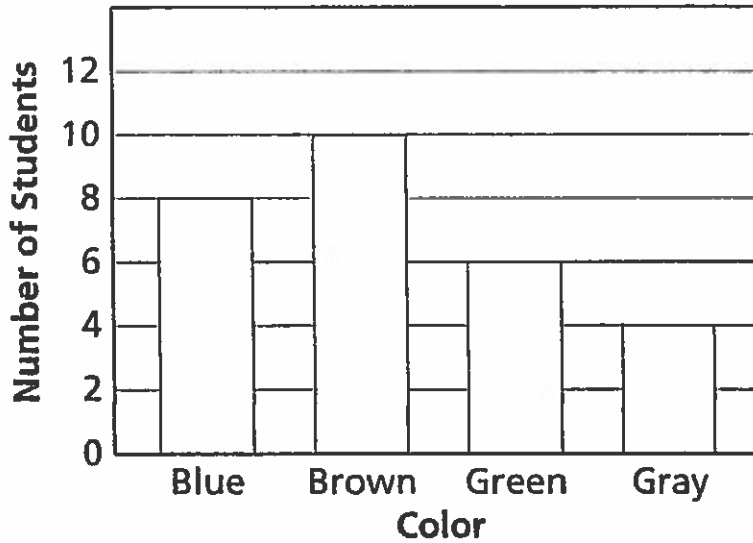
3 pts

37

The bar graph below shows the information third grade students collected about the eye color of students in their classroom.

MD 133
2 P's
Supporting

STUDENT EYE COLOR



How many fewer students have green eyes than students that have blue eyes and brown eyes combined?

Show your work.

Answer _____ fewer students

GO ON

100
2016

36 pts
major
emphasized

38 A tennis coach buys 8 cans of tennis balls. There are 3 tennis balls in each can. All of the tennis balls will be shared equally among 6 players. How many tennis balls will each player get?

Show your work.

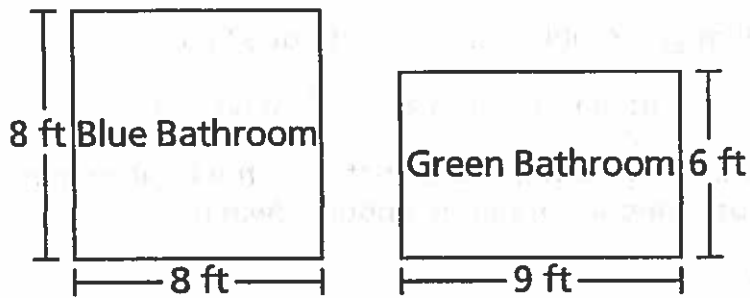
Answer _____ tennis balls

GO ON

326
2018

39

The sizes of two bathroom floors in Beth's house are shown below.



Beth says that the area of the floor of the green bathroom is larger than the area of the floor of the blue bathroom. Is Beth's statement true? Why or why not?

Explain your answer.

10/1
2018

30,000
major
emphasized
3 pts

40

Edwin uses 4 rolls of green ribbon and 8 rolls of purple ribbon for a project.

- Each roll of green ribbon has a length of 90 feet.
- Each roll of purple ribbon has a length of 60 feet.

What is the difference in length, in feet, between the total amount of green ribbon and the total amount of purple ribbon Edwin uses?

Show your work.

Answer _____ feet

STOP

4/20/18

Directions

Read this passage. Then answer questions 32 and 33.

Excerpt from *How To Convince Your Parents You Can . . . Care For A Kitten*

by Stephanie Bearce

- 1 Would you like a furry pet that likes to jump, play, cuddle, and purr? If so, a kitten could be the perfect pet for you. Baby cats are called kittens, and they like to be with people. They enjoy playing games, chasing string, and batting balls with their paws. Kittens love sitting on a person's lap and being petted. They are small and like to live inside with people. Kittens make great pets.
- 2 Have your parents said that a pet would be too messy in the house? Kittens are neat and tidy animals. They do not often need a bath because they use their tongues and paws to clean their fur. Kittens are also tidy about their bathroom habits and quickly learn to use a litter box.
- 3 Do your parents say that a pet needs lots of room? Are they worried about exercising a pet? You can tell them that kittens do not need a lot of space. They are happy living in small apartments and are good pets for people who live in towns and cities. Kittens do not need to go to the park for exercise, and they do not need to be walked on a leash. They exercise by jumping and running around the house. Because they are so active, it is important to keep their play space clean and free from objects that could hurt them. Kittens must be supervised to ensure they don't tear up things they shouldn't—like furniture, carpets, or curtains.
- 4 Do your parents think it costs too much for a pet? You can tell them that kittens are not too expensive. You can adopt kittens from animal shelters, or you can look in the newspaper to find people who are giving away kittens for free. Kittens do not need lots of expensive food. Most kittens like to eat dry cat food. They only need about a cup of food a day. Kittens do need regular visits to the veterinarian. Every year your kitten will need shots to keep him or her healthy. This can cost over \$100. Sometimes kittens can become ill, and they may need medicine from a veterinarian. This is another cost of having a kitten for a pet.

GO ON

5 When kittens are happy they will purr. Purring is a deep rumbling sound in the kitten's chest. It is fun to pet a kitten and make it purr.

6 Petting a kitten can also make you feel better when you have had a bad day. Doctors have found that when people sit quietly and pet a kitten, their hearts beat slower. That makes their blood pressure lower, and low blood pressure is a good thing. You can tell your family that having a kitten will be good for their health.

7 Kittens are fun to watch. They are great athletes. This is because they have a good sense of balance. If they jump or fall, they usually land on their feet. They have special muscles that help them twist their bodies in the air. Kittens have strong leg muscles. They learn to climb and jump when they are very young.

8 Kittens are smart and love to learn. Sometimes people think that you cannot teach a kitten tricks. That is because kittens are independent. They like to explore on their own and do what they want. But kittens can learn rules and how to obey. You can teach your kitten to come and sit, to lie down, and maybe even how to ring doorbells and flush toilets.

9 Today, kittens are some of the most popular pets in the world. You can find them in apartments in New York City. You can see them in Paris, France, or on farms in Missouri. Almost anywhere there are people, you will find kittens.

32

How are paragraphs 1 through 4 alike? Use **two** details from “Excerpt from *How To Convince Your Parents You Can . . . Care For A Kitten*” to support your response.

33

Why does the author include the cost of raising a kitten in the passage? Use **two** details from the passage to support your response.

GO ON

Directions

Read this story. Then answer question 34.

Emma misses her father, who is working in Turkey. In addition, her best friend, Tem, will be moving away at the end of the school year. Emma has told her teacher that she and Tem will work together on a report about North Dakota, the state where Emma's parents were born.

Excerpt from *Leaving Emma*

by Nancy Steele Brokaw

1 It took Tem and me two weeks to finish with North Dakota. We had to research the official state things like the bird, flower, and song, as well as the state history and what important people came from North Dakota. I drew a page-size version of the state flag that we used as a report cover.

2 We got out a ruler and measured. The distance from Fargo, N.D., to Grand Forks, N.D., was seventy-five miles. That was the same as the distance from my house in Champaign to Tem's new house, which they hadn't even bought yet, in Kankakee. We'd driven through North Dakota before, to visit my grandma. It was like driving across the moon.

Champaign and Kankakee are towns in the state of Illinois

3 The leaves were really falling, since it was the end of October. It was snowing in colors. Dad and I had always raked the leaves together. Now Mom said cleaning up the leaves was my job.

4 "Hey, Mom," I said, "since you want me to do the leaves, I was wondering if you'd mind typing our North Dakota paper? It's worth extra credit."

5 Mom was always up for typing. Before I was born, she worked as a secretary at Caterpillar, which I thought was a goofy name for a big factory.

6 "Sure," said Mom.

7 "Want to try it on the computer?" I asked.

8 "I wish I knew how," she said. "I'd love to be able to move words around and add graphs and pictures. One of these days I'll learn."

9 "You should," I said. "Anyway, I'll do the leaves and you do the typing."

10 "That's a deal," said Mom.

- 11 I got Tem to help me. We raked the leaves into little piles, and then we raked the little piles into bigger piles and finally into one big pile that we jumped in.
- 12 Sometimes when we raked, I could see my dad raking alongside us. Not the way you see people in real life or on TV, but in a different way, sort of inside my head. I needed to remember to tell Dad about this when he called.
- 13 That night I found a half-empty notebook and glued a piece of white paper on the cover. I drew a border of pens, pencils and markers. In the center, in cursive, I wrote *Day by Day*. At first I was going to call it *Emma's Journal*, but I thought "Day by Day" sounded a lot better. I didn't want to write a bunch of words, so that night I wrote just one: *leaves*. If I read that one word, I'd remember the rest and be able to tell Dad.
- 14 I wrote down *soccer*, too, because I had sort of, almost, scored a goal, and I figured Dad would want to know. Dad liked soccer a lot more than I did.
- 15 After my bath I shut the door and climbed up on my bed. I held Dad's pocket watch in my hand. It felt smooth and solid and the right amount of heavy, like a good rock. I heard the seconds ticking out the time. Time was falling away, like leaves blowing to the ground. When I wound the watch, I thought about how I wanted time to speed up to bring Dad home, and I wanted time to slow down so Tem could be my best friend longer.
- 16 It was five in the morning in Turkey. Dad would still be sleeping. I wrapped the watch in a bandanna and set it on my nightstand. I heard it ticking. I heard the wind blowing. Winter was coming, my last winter with Tem.

Lined writing area with 20 horizontal lines.

