STAAR® Modified

State of Texas Assessments of Academic Readiness — Modified —

GRADE 3

Mathematics

Modified

Administered April 2014

RELEASED

STAAR GRADE 3 MATHEMATICS REFERENCE MATERIALS

LENGTH

Customary	Metric
1 yard (yd) = 3 feet (ft)	1 meter (m) = 100 centimeters (cm)
1 foot (ft) = 12 inches (in.)	1 centimeter (cm) = 10 millimeters (mm)

TIME

1 year = 12 months

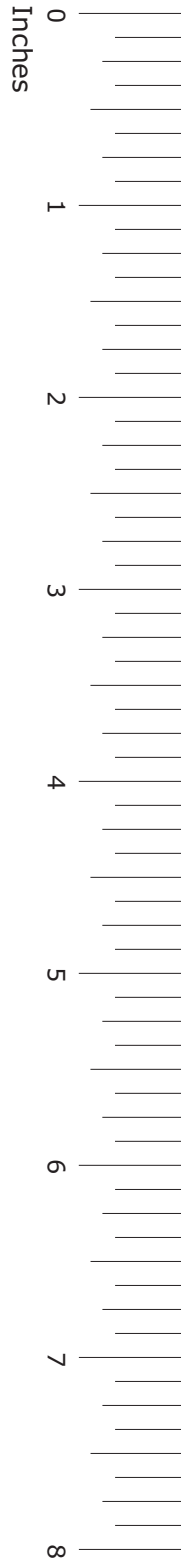
1 year = 52 weeks

1 week = 7 days

1 day = 24 hours

1 hour = 60 minutes

1 minute = 60 seconds



STAAR GRADE 3 MATHEMATICS REFERENCE MATERIALS

This page shows only the metric ruler.

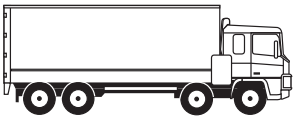
MATHEMATICS

DIRECTIONS

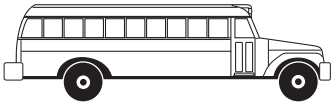
Read each question. For a multiple-choice question, choose the best answer from the three choices provided and fill it in on your answer document. For a griddable question, fill in your answer in the grid on the answer document.

1 Sam counted the number of cars, trucks, and buses on a road.

22



17



5

What is the total number of cars, trucks, and buses that Sam counted?

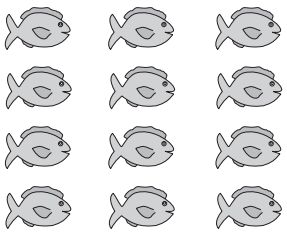
A 44

B 45

C 34

GO ON

2 Rachel has 12 fish, as shown below. She put 4 fish into each fishbowl.



Which number sentence shows how many fishbowls Rachel used?

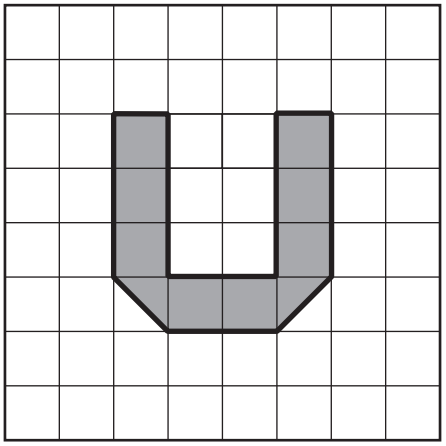
F $12 + 4 = 16$

G $12 \div 4 = 3$

H $12 - 4 = 8$

GO ON

3 Look at the shaded shape on the grid below.



= 1 square inch

Which of these is closest to the area of the shaded shape?

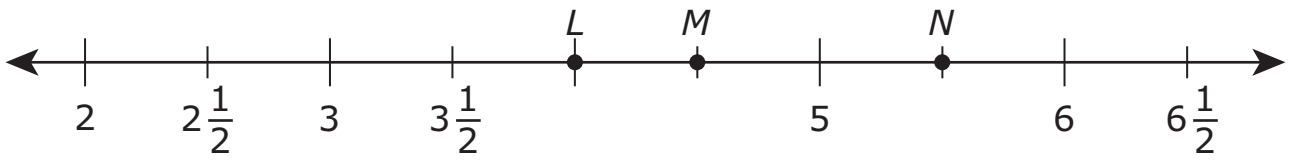
A 8 square inches

B 10 square inches

C 9 square inches

GO ON

4 Which point on the number line below represents $4\frac{1}{2}$?



F Point *L*

G Point *M*

H Point *N*

GO ON

5 Colleen has a sticker book.

- The book has 7 pages.
- Each page has 11 stickers.

How many stickers are in the book?

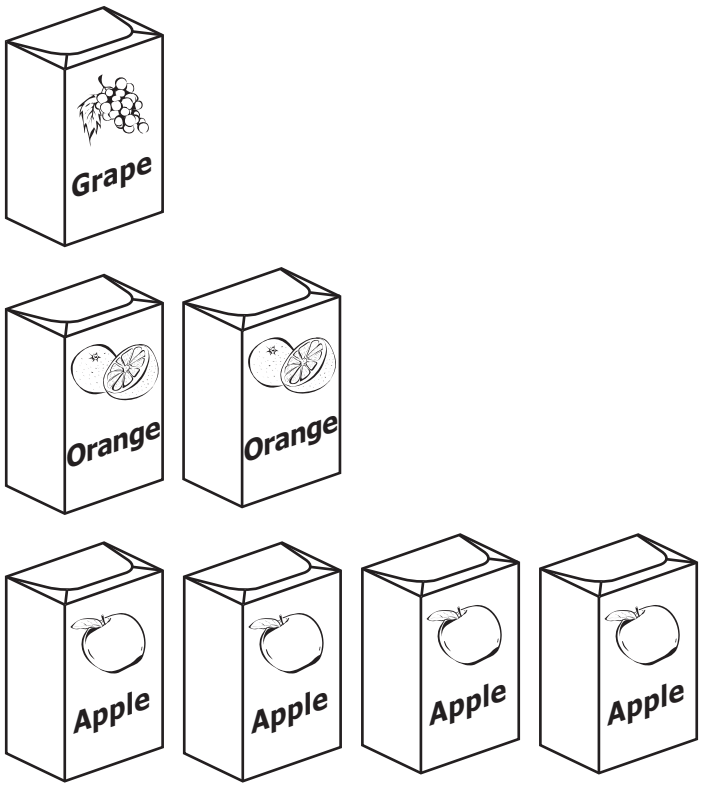
A 77

B 18

C 4

GO ON

6 Look at the juice boxes below.



Derrick chooses 1 juice box without looking. Which juice box is he most likely to choose?

F Apple

G Orange

H Grape

GO ON

7 How is the number 1,802 written in words?

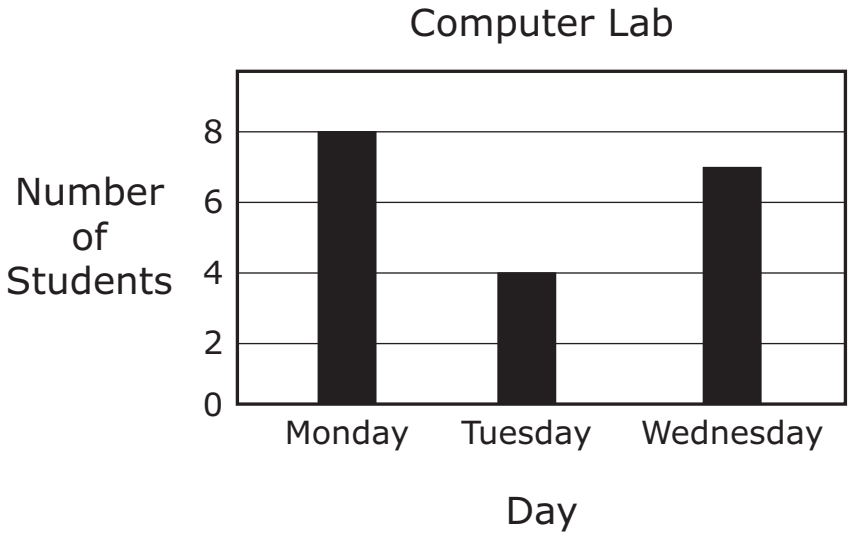
A One thousand, eighty-two

B One thousand, eight hundred two

C One thousand, eight hundred

GO ON

8 Look at the graph below. It shows the results when Mr. Ayala asked each of his students what day they would like to go to the computer lab.



Which table matches the data in the graph?

F

Computer Lab

Day	Number of Students
Monday	8
Tuesday	7
Wednesday	5

G

Computer Lab

Day	Number of Students
Monday	8
Tuesday	6
Wednesday	8

H

Computer Lab

Day	Number of Students
Monday	8
Tuesday	4
Wednesday	7

GO ON

9 Ms. Zamora went to a library to check out books on Monday, September 7. Her books were due 5 days after September 7. Ms. Zamora used the calendar below to find out when her books were due.

Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday

What day of the week were her books due?

A Saturday

B Sunday

C Monday

GO ON

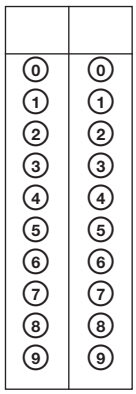
10 The table below shows how many eggs are needed to make different numbers of cakes.

Cakes

Number of Cakes	Eggs Needed
1	4
2	8
3	12
4	

Based on the table, how many eggs are needed to make 4 cakes?

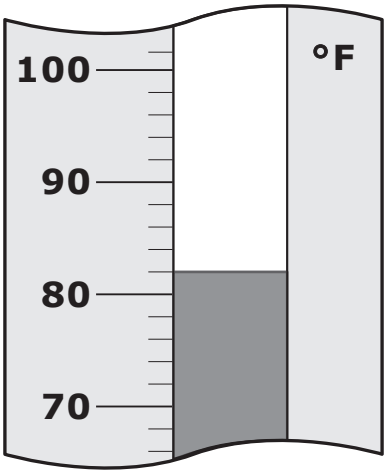
You may practice recording your answer in the grid below.



Record your answer and fill in the bubbles on your answer document. Be sure to use the correct place value.

GO ON

11 Look at the thermometer below.



What is the temperature shown on this thermometer?

A 94°F

B 81°F

C 82°F

GO ON

12 A store sells paper plates in packages of 8, 10, or 20. Which combination of packages has exactly 50 plates?

F 3 packages of 10 plates and
1 package of 20 plates

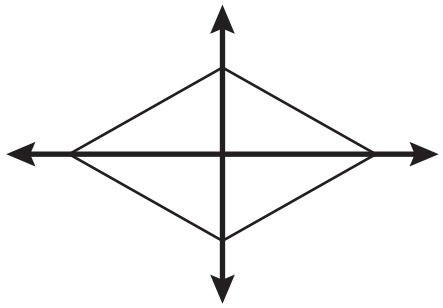
G 3 packages of 8 plates and
1 package of 20 plates

H 3 packages of 20 plates

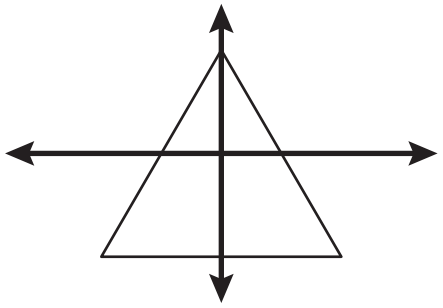
GO ON

13 Which figure shows 2 lines of symmetry?

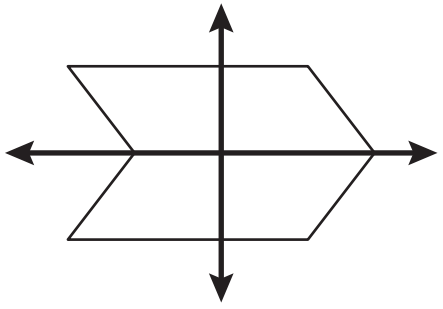
A



B



C



GO ON

14 Look at the table below. It shows the number of coins Frank collected each week for 3 weeks.

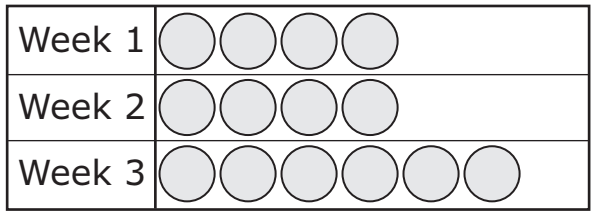
Frank's Coins

Week	Number of Coins Collected
1	40
2	30
3	60

Which graph shows the information given in this table?

F

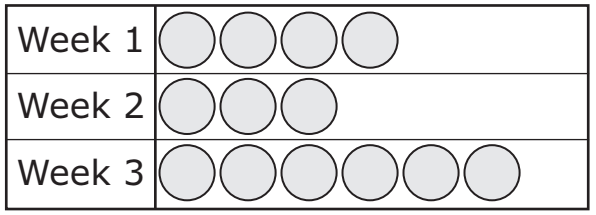
Frank's Coins



Each ○ means 10 coins.

G

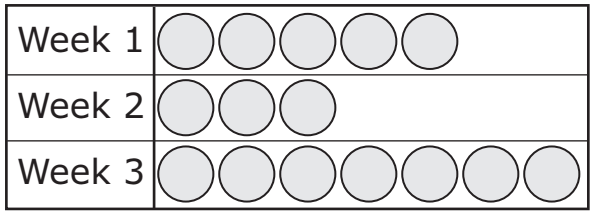
Frank's Coins



Each ○ means 10 coins.

H

Frank's Coins

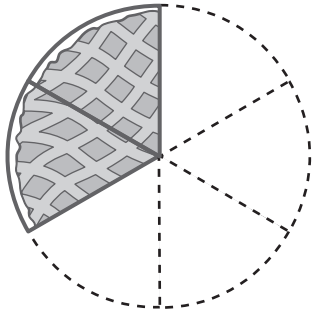


Each ○ means 10 coins.

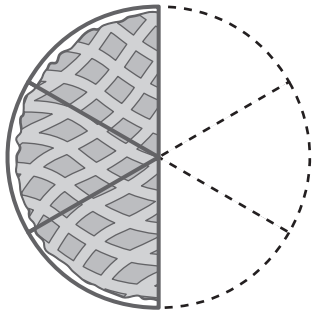
GO ON

15 Mr. Costello has $\frac{4}{6}$ of a cherry pie. Which picture shows $\frac{4}{6}$ of a pie shaded?

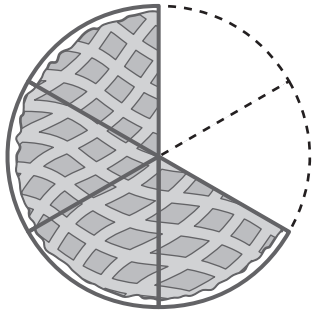
A



B



C



GO ON

16 Mr. Russell swims the same number of laps each day. The table below shows the total number of laps he swam during different numbers of days.

Swimming Laps

Number of Days	Total Number of Laps
2	20
4	40
5	50
7	

Based on the table, what is the total number of laps Mr. Russell will swim in 7 days?

F 70

G 90

H 60

GO ON

17 Keisha has a garden with 4 rows of flowers. There are 14 flowers in each row. What is the total number of flowers in these rows?

A 46

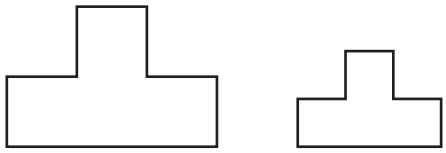
B 101

C 56

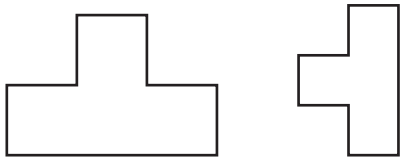
GO ON

18 Which pair of figures appears to be congruent?

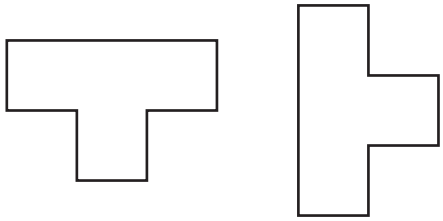
F



G



H



GO ON

19 The picture below shows a soda can. The line segment represents the height of the can. Use the ruler provided to measure the length of the line segment to the nearest centimeter.

Which of these is closest to the height of the can?

A 12 centimeters

B 13 centimeters

C 5 centimeters

GO ON

20 Look at the numbers below. The numbers follow a pattern.

Which number comes next in the pattern?

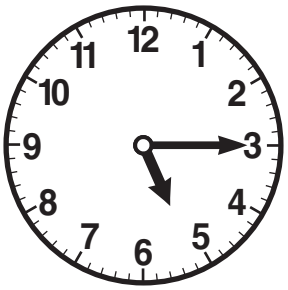
F 36

G 40

H 41

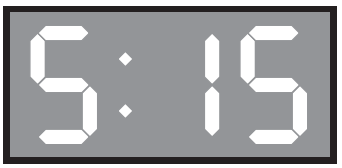
GO ON

21 Look at the time shown on the clock below.



Which digital clock shows the same time?

A 

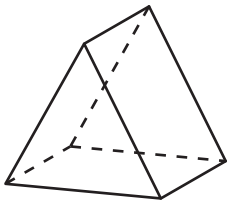
B 

C 

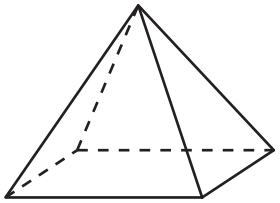
GO ON

22 Which figure has exactly 5 vertices?

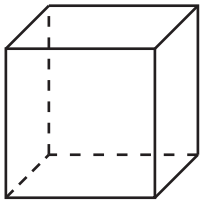
F



G



H



GO ON

23 Look at the table below. It shows the number of minutes the students in Ms. Yin's class read last night.

Reading Time

Number of Minutes	Number of Students
20	𝍸 |||
30	𝍸 𝍸 ||
40	||||

Which graph shows the information given in the table?

A

Reading Time

20 minutes	📖 📖 📖 📖
30 minutes	📖 📖 📖 📖 📖 📖
40 minutes	📖 📖

Each 📖 means 2 students.

B

Reading Time

20 minutes	📖 📖 📖 📖 📖 📖 📖
30 minutes	📖 📖 📖 📖 📖 📖
40 minutes	📖 📖 📖 📖

Each 📖 means 2 students.

C

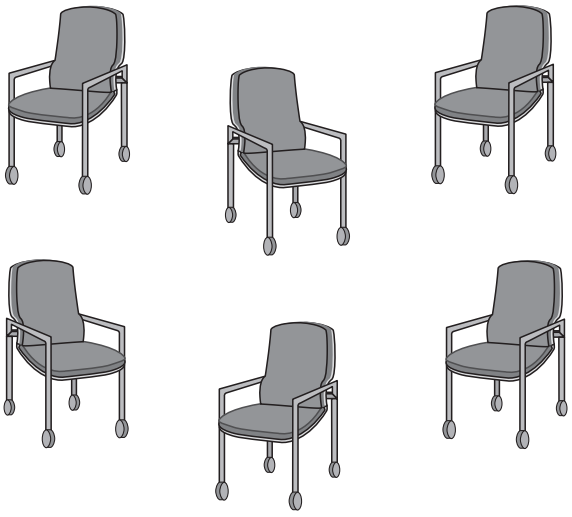
Reading Time

20 minutes	📖 📖 📖 📖 📖 📖 📖 📖
30 minutes	📖 📖 📖 📖 📖 📖
40 minutes	📖 📖

Each 📖 means 2 students.

GO ON

24 Look at the 6 chairs below. Each chair has 4 legs.



What is the total number of legs on these chairs?

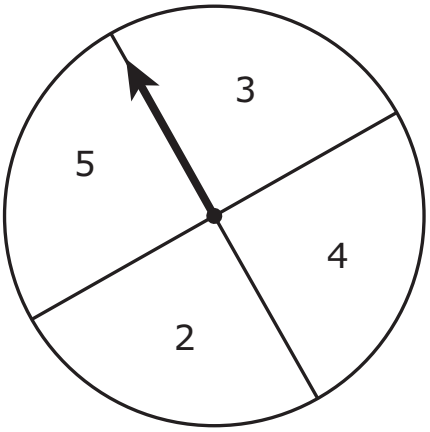
F 10

G 16

H 24

GO ON

25 Gary is playing a game with a spinner like the one below. He needs 16 points to win the game.



Which list of numbers would give Gary exactly 16 points with only four spins?

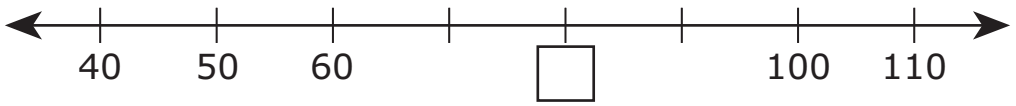
A 3, 5, 5, 4

B 2, 5, 4, 5

C 5, 4, 2, 3, 2

GO ON

26 Look at the number line below.



Which number should go in the box?

F 62

G 70

H 80

GO ON

27 Which number sentence is in the same fact family as $35 \div 5 = 7$?

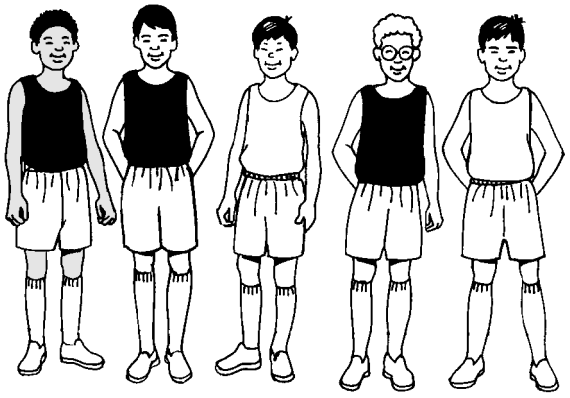
A $35 \times 5 = 175$

B $35 - 7 = 28$

C $7 \times 5 = 35$

GO ON

28 Look at the basketball players below.



What fraction of the players are wearing white shirts?

F $\frac{2}{5}$

G $\frac{3}{5}$

H $\frac{1}{5}$

GO ON

29 Bella is making cupcakes. The table below shows the total number of cupcakes Bella can bake with different numbers of pans.

Cupcakes

Number of Pans	2	3	4	5
Number of Cupcakes	12	18	24	

Based on the table, how many cupcakes can Bella bake if she uses 5 pans?

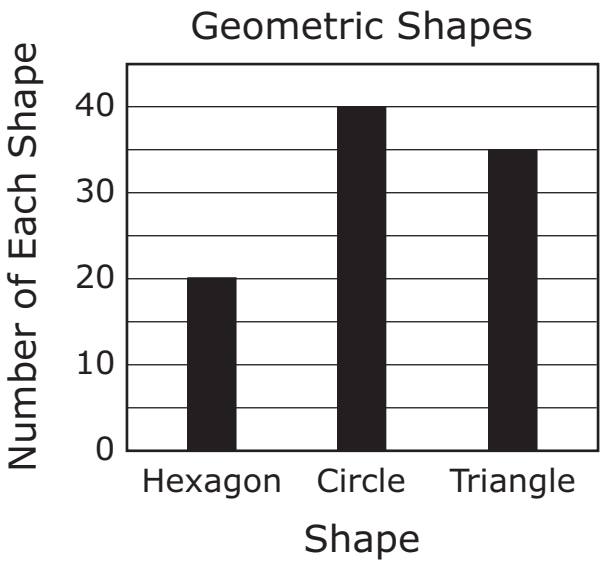
A 36

B 30

C 42

GO ON

30 Look at the graph below. It shows the number of each type of geometric shape in a bucket.



According to the graph, what is the total number of hexagons and triangles in the bucket?

F 60

G 95

H 55

GO ON

31 Students in a class bought pizza.

- They bought 3 pizzas.
- Each pizza had 8 slices.
- There were 20 students in the class.
- Each student ate 1 slice.

How many slices of pizza were left?

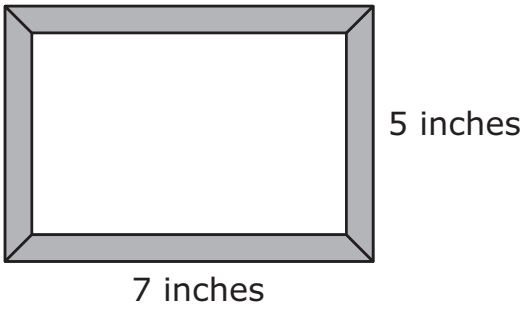
A 4

B 12

C 24

GO ON

32 Look at the picture frame below. It is a rectangle.



What is the perimeter of this picture frame?

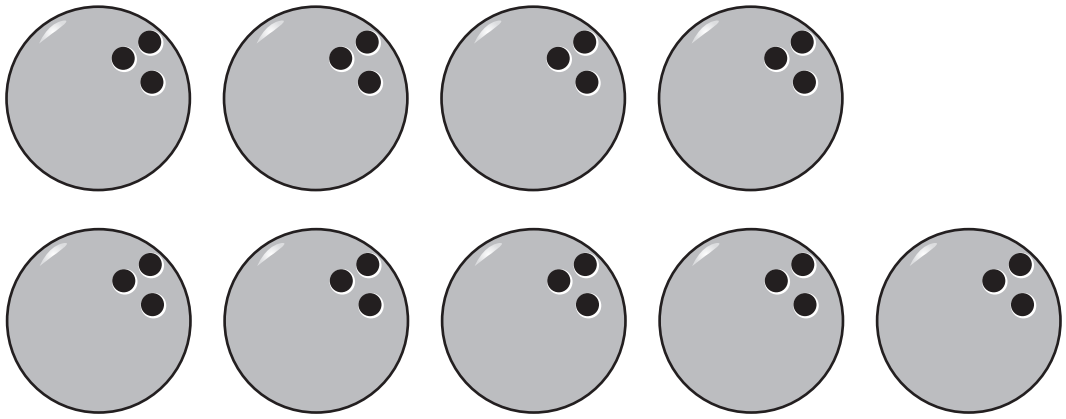
F 12 inches

G 35 inches

H 24 inches

GO ON

33 There are 3 holes in each bowling ball, as shown below.



Which expression can be used to find the total number of holes in 9 bowling balls?

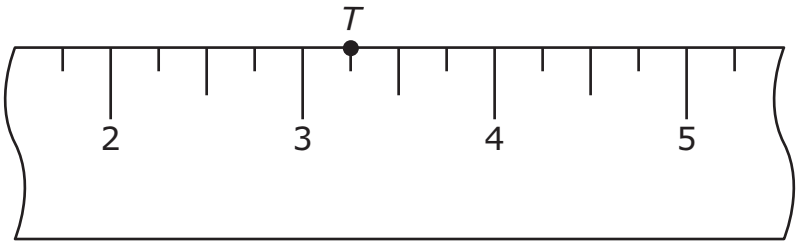
A $9 + 3$

B 9×3

C $9 \div 3$

GO ON

34 What number does point *T* best represent on the ruler below?



F $3\frac{2}{4}$

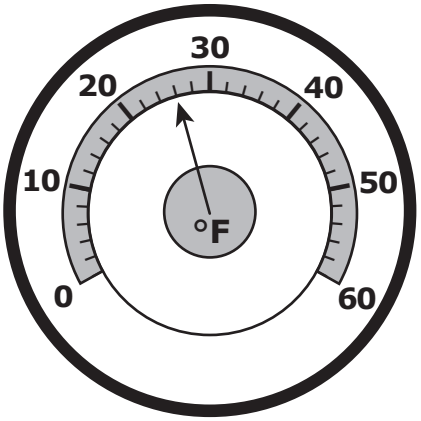
G $3\frac{1}{4}$

H $4\frac{3}{4}$

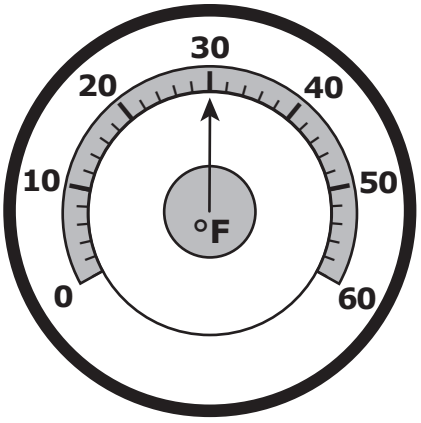
GO ON

35 Which thermometer shows 26°F?

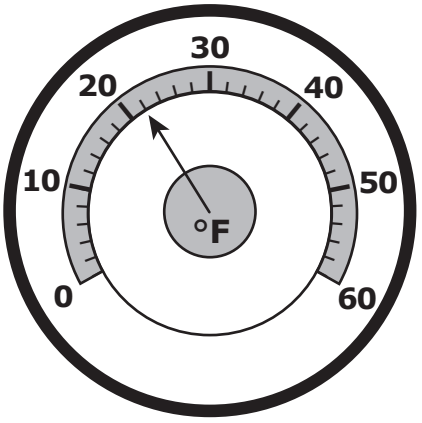
A



B

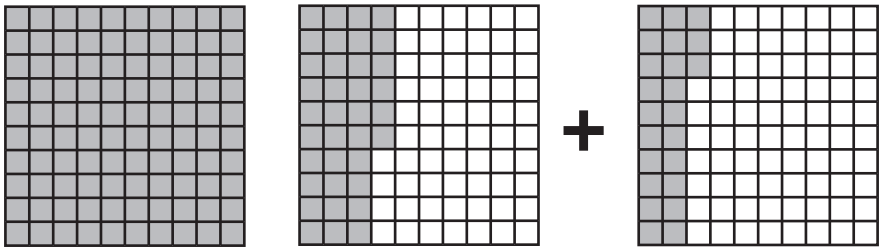


C



GO ON

36 Look at the model below.



This model is shaded to show —

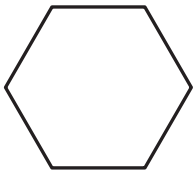
F 134 + 23

G 136 + 27

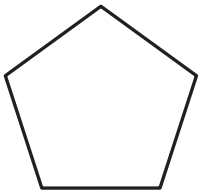
H 136 + 23

GO ON

37 Which figure is a hexagon?

A 

B 

C 

BE SURE YOU HAVE RECORDED ALL OF YOUR ANSWERS ON THE ANSWER DOCUMENT.

STAAR MODIFIED
GRADE 3
Mathematics
April 2014

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