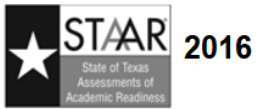**19** There are two different vegetables in a garden.

- There are 5 rows that have 16 carrot plants in each row.
- There are 72 spinach plants.

How many vegetable plants are there in the garden?

A 152

B 88

C 93

D 122

37 Ms. Losoya has 72 index cards. She will arrange the cards in 6 equal stacks. How many index cards will be in each stack?

A 12

B 9

C 78

D 66

5 Aaron will place 99 towels on a shelf. He will make 9 equal stacks.

How many towels will be in each stack?

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

Grade 3 Mathematics

16 A group of 64 children and 24 adults will travel to a zoo in vans. There will be 8 people in each van.

How many vans will be needed to take the group to the zoo?

F 11

G 80

H 8

J 5

12 Campers at a lake rented 18 more canoes than paddleboats each week during five weeks. Which table could show the numbers of canoes and paddleboats rented during these five weeks?

Canoes and Paddleboats

F

Number of Canoes	Number of Paddleboats
72	90
37	55
61	79
85	103
68	86

Canoes and Paddleboats

H

Number of Canoes	Number of Paddleboats
72	54
37	19
61	43
85	67
68	50

Canoes and Paddleboats

G

Number of Canoes	Number of Paddleboats
72	54
37	72
61	90
85	108
68	126

Canoes and Paddleboats

J

Number of Canoes	Number of Paddleboats
72	18
37	36
61	54
85	72
68	90

30 There are 8 socks in each package sold at a shoe store. Which table shows the number of socks in different numbers of these packages?

Packages of Socks

F

Number of Packages	5	8	10	11
Number of Socks	40	48	56	64

Packages of Socks

G

Number of Packages	5	8	10	11
Number of Socks	40	64	88	112

Packages of Socks

H

Number of Packages	5	8	10	11
Number of Socks	40	64	80	88

Packages of Socks

J

| Number of Packages	5	8	10	11
Number of Socks	40	80	120	160

40 The table shows the numbers of flowers of different colors in four vases.

Flowers in Vases

Vase	Yellow	Red
Q	9	3
R	15	5
S	21	7
T	27	9

Based on the relationship shown in the table, which statement is true?

F There are 3 times as many yellow flowers as red flowers in each vase.

G There are 9 times as many yellow flowers as red flowers in each vase.

H There are 6 times as many yellow flowers as red flowers in each vase.

J There are 11 times as many yellow flowers as red flowers in each vase.
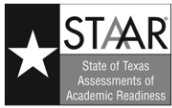
3.5E – 2 (R)   **eight X**

15 Kacie sold bracelets at a store. She sold 3 bracelets for 1 dollar.

Which table represents the numbers of bracelets that would be sold for different numbers of dollars?

Bracelets Sold

A

Number of Dollars	Number of Bracelets
1	3
2	4
4	6
5	10

Bracelets Sold

C

Number of Dollars	Number of Bracelets
3	1
4	2
6	4
10	5

Bracelets Sold

B

Number of Dollars	Number of Bracelets
1	3
2	6
4	12
5	15

Bracelets Sold

D

Number of Dollars	Number of Bracelets
3	1
6	2
12	4
15	5
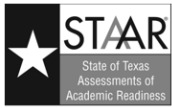
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3.5E – 2 (R)   **nine Z**

25 Mr. Morales gives bonus points when a challenge question on a test is answered correctly. The table shows the relationship between test scores before and after Mr. Morales gives the bonus points.

Test Scores

Test Score Before Bonus Points	Test Score After Bonus Points
77	81
79	83
81	85
83	87

Which of these describes the relationship shown in the table?

A The test score before bonus points minus 2 equals the test score after bonus points.

B The test score before bonus points minus 4 equals the test score after bonus points.

C The test score before bonus points plus 2 equals the test score after bonus points.

D The test score before bonus points plus 4 equals the test score after bonus points.

3.5E – 2 (R)   **ten W**

7 The table shows the relationship between the number of toy airplanes made in a factory and the number of batteries needed for the airplanes.

Batteries for Toy Airplanes

Number of Toy Airplanes	5	7	9	11	13	15
Number of Batteries	15	21	27	33	39	45

Based on the relationship shown in the table, which statement is true?

A The number of batteries is equal to the number of toy airplanes times 3.

B The number of batteries is equal to the number of toy airplanes times 2.

C The number of batteries is equal to the number of toy airplanes times 6.

D The number of batteries is equal to the number of toy airplanes times 5.

18 A store is having a sale on books. The sale price of each book is $6 less than the regular price. Which table shows prices of different books at this store?

F   Book Sale

Regular Price	$12	$19	$26	$33
Sale Price	$18	$25	$32	$39

G   Book Sale

Regular Price	$18	$25	$32	$39
Sale Price	$12	$19	$26	$33

H   Book Sale

Regular Price	$36	$30	$24	$18
Sale Price	$34	$28	$22	$16

J   Book Sale

Regular Price	$36	$30	$24	$18
Sale Price	$6	$5	$4	$3

26 A triangular sign has a perimeter of 44 centimeters. Two of the sides are each 14 centimeters long. What is the length of the third side in centimeters?
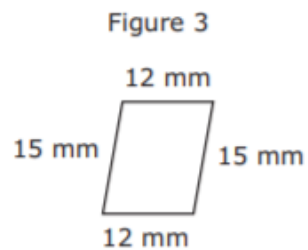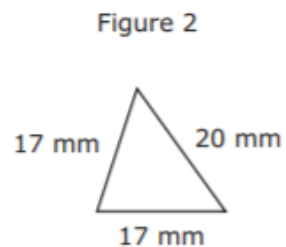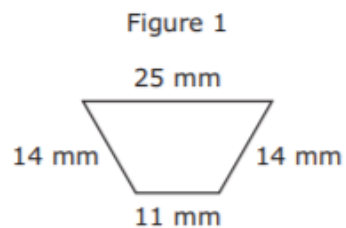
F 28 cm

G 16 cm

H 30 cm

J 14 cm

44 Felix drew the figures shown below.

Figure 1

25 mm

14 mm   14 mm

11 mm

Figure 2

17 mm   20 mm

17 mm

Figure 3

12 mm

15 mm   15 mm

12 mm

Figure 4

10 mm

9 mm

16 mm

9 mm

10 mm
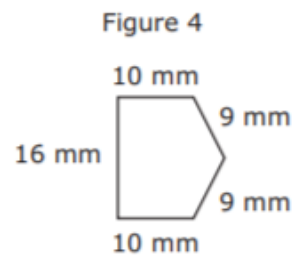
Which list shows all the figures that have a perimeter of 54 millimeters?

F Figures 2, 3, and 4

G Figures 2 and 4
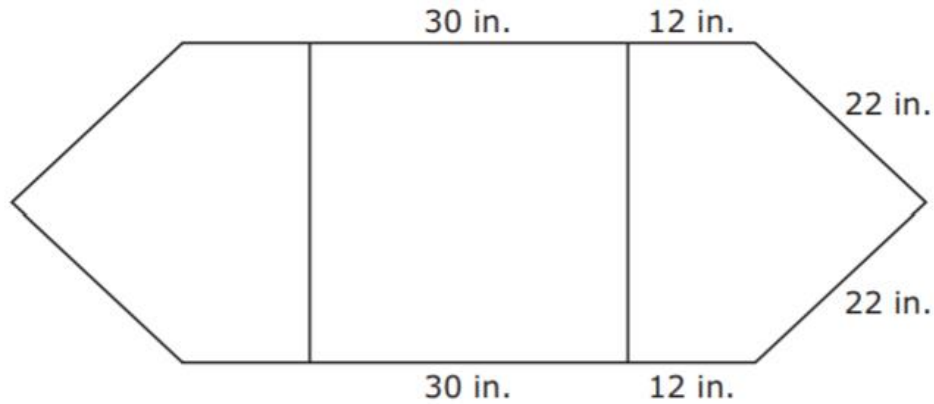
H Figures 1 and 3

J Figures 1, 2, and 4
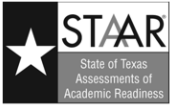
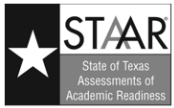**14** Holly made a poster using two congruent pentagons and a square.

What is the perimeter of the poster in inches?

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

Grade 3 Mathematics

30 A triangle has a perimeter of 18 units. Each side of this triangle is the same length.

What is the length of one side of the triangle in units?

F 3 units

G 6 units

H 19 units

J 54 units

3 Gretchen made this table to show the side lengths and perimeters of three figures.

Gretchen's Figures

Figure	Side Lengths (yards)	Perimeter (yards)
Square	6, 6, 6, 6	24
Triangle	4, 7, 8	19
Rectangle	4, 8, 4, 8	32

What mistake, if any, did Gretchen make?

A The perimeter of the rectangle should be 24 yards.

B The perimeter of the square should be 36 yards.

C The perimeter of the triangle should be 20 yards.

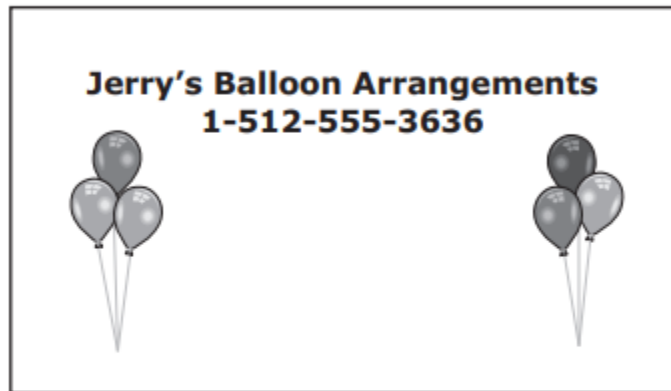**D** Gretchen did not make any mistakes in the table.

13 A rectangular business card is shown. Use the ruler provided to measure the length and width of the business card to the nearest centimeter.

Jerry's Balloon Arrangements
1-512-555-3636

Which measurement is closest to the perimeter of the business card in centimeters?

A 14 cm

B 28 cm

C 45 cm

D 32 cm