Student: _____ Teacher: _____ Date: _____
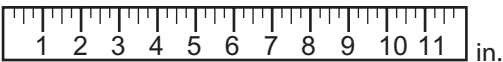
1 Use the graph to answer the question.

Temperature Over a Week

What was the highest temperature recorded during the week?

_____ °F

---

2 Write the answer in the blank.

20 + 9 + 400 = _____

---

3 Write the answer in the blank.

What is the length of the key?

_____ in.

4 Write the correct letter in the blank.

Brenden had 9 oranges. He juiced $1\frac{3}{4}$ oranges. How many oranges are left?

A $7\frac{3}{4}$

B $7\frac{1}{4}$

C $9\frac{3}{4}$

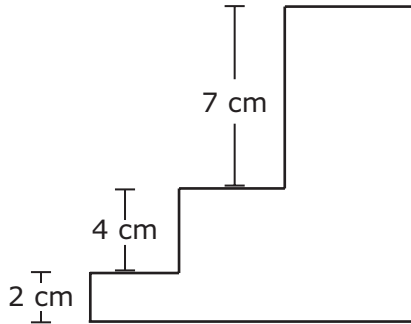_____

---

5 Write the answer in the blank.

What is the total weight of the fruits?

Fruits	Weight
Apples	1650 grams
Grapes	85 grams
Apricots	250 grams

_____ grams

---

6   Write the correct letter in the blank.

Billy builds a structure with wooden sticks. Which number sentence gives the height of the structure?

7 cm

4 cm

2 cm

A   2 + 4 + 7

B   4 + 4 + 4

C   4 + 4 + 7

_____

7   Complete the sequence.

68, 59, 50, _____

8   This chart shows the area of different countries of the world.

Country	Area (Square Kilometers)
Bolivia	1,098,581
Mauritania	1,025,520
Ethiopia	1,104,300
Colombia	1,138,914

Which country has the largest area?

_____

9   Find the missing number to make this statement true.

$6 \times (1 + 6) = 6 \times 1 + 6 \times$ _____

10   Write the correct letter in the blank.

Which option below shows 2 perpendicular lines?

A

B

C

_____
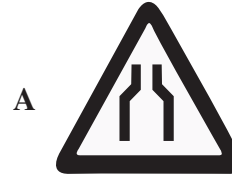
11   Use the table to answer the question.

Activity	Time Taken by Dean
Sprinting	35 minutes
Cycling	40 minutes
Swimming	10 minutes
Running	30 minutes

What is the total time taken by Dean for his cross-country marathon practice?

_____ hour _____ minutes

2 3 4 5 6 7 8 9 10 11 12 A B C D E

12 What is the temperature as shown on the thermometer?

22
20
18
16
14
12
10
8
6
4
2
0
°F
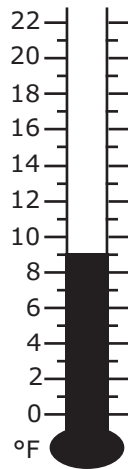
_____ °F

13 Write the correct letter in the blank.

Mr. Martinez can shovel snow from a 100-feet-long driveway in 4 hours. How long will it take him to shovel snow from a 700-feet-long driveway?

A   2.5 hours

B   28 hours

C   16 hours

_____

14 Use the table below to answer the question.

Package	Cost per Package
Acrylic paint	$5.25
Glue sticks	$2.00
Fabric glue	$7.80

Jessica is buying items for a craft project. How much more money will Jessica spend if she buys a package of fabric glue instead of a package of glue sticks?
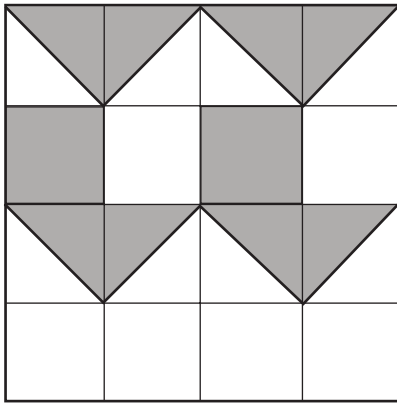
$_____

15 Write the answer in the blank.

The picture shows a part of a wall. What fraction of this part of the wall is marked?
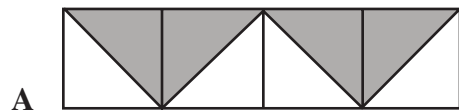
_____
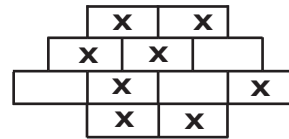
16 Write the correct letter in the blank.

The diagram shows the pattern of tiles Christopher is using on his kitchen walls.

Which row of tiles is the bottom row missing from Christopher's kitchen wall?

A

B

C

_____

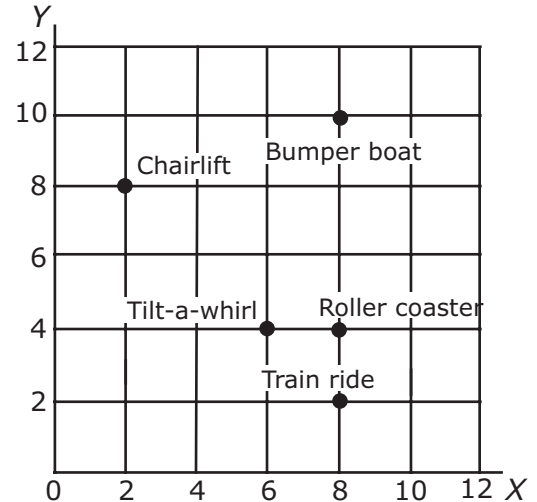**17** Find the missing number to make this statement true.

$2 + 4 + 6 = 9 +$ _____

18 A ZIP code for Dallas, West Virginia is 26036.

Which digit is in the hundreds place?

_____

19 Use the graph to answer the question.

Taylor is at an amusement park. She wants to ride a roller coaster. Write the coordinates of the roller coaster.

_____

20 Write the correct letter in the blank.

Helicopter A weighs 26,120 kilograms (kg) and helicopter B weighs 31,330 kg. What is the best estimate of the difference in the weight of the two helicopters?

A 1000 kg

B 3000 kg

C 5000 kg

_____

21 Write the next two numbers of the sequence.

87, 89, 92, _____, _____

22 Write the correct letter in the blank.

A factory manufactures 12,500 shirts in a day. Which answer below is the same as 12,500?

A Twelve thousand five hundred

B One thousand two hundred fifty

C One thousand twenty-five hundred

_____

23 Write the answer in the blank.

These fruits are kept on a dining table. Oliver has to pick up one of these fruits. What is the chance that he will pick up an apple?

_____

24 Write the correct letter in the blank.

What fraction below shows 3.6?

A $\dfrac{36}{2}$

B $\dfrac{36}{5}$

C $\dfrac{36}{10}$

_____

25 Write the number that balances this equation.

$(6 \div 6) + 8 = 2 +$ _____

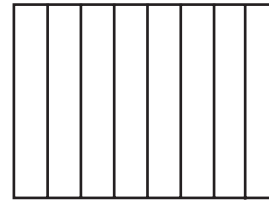**26** Write the correct letter in the blank.

Which of these numbers is ten times as much as 43?

A 4.3

B 43
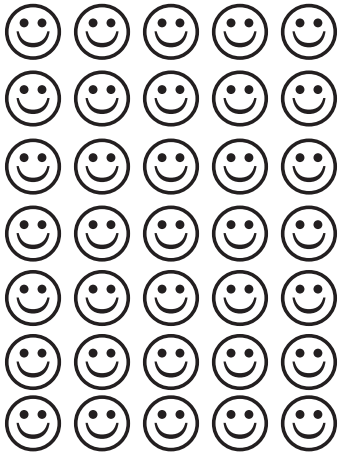
C 430

_____

27 Write the answer in the blank.

This cake has 8 slices. If you eat 1 slice, what fraction of the cake did you eat?

_____

28 Write the correct letter in the blank.

The picture below represents the number sentence $7 \times 5 = 35$.
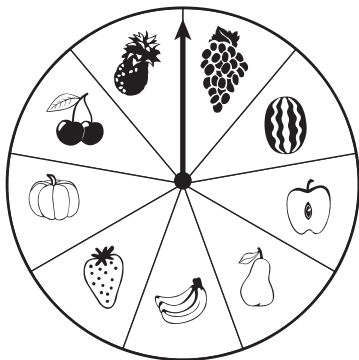

Which number sentence shows the inverse of the number sentence above?

A $35 \div 7 = 5$

B $35 \times 5 = 175$

C $35 - 7 = 28$

_____

29 Write the answer in the blank.

How many outcomes are possible on this spinner? (Assume the spinner cannot land on a line.)

_____

30 Write the correct letter in the blank.

Convert $\dfrac{37}{2}$ to a decimal.

A 18.5

B 37.5

C 3.7

_____

Student: _____   Teacher: _____   Date: _____

Reminder: There is **no** partial credit when scoring. The answer must be correct **in its entirety** to obtain the correct score value. If any part of a multi-part question is incorrect, the score is zero.

Grade 4, Probe 4 Answer Key

Item No.	Answer	Correct	Incorrect
1.	40	1	0
2.	429	1	0
3.	5	1	0
4.	B	2	0
5.	1985	1	0
6.	A	1	0
7.	41	2	0
8.	Colombia	1	0
9.	6	3	0
10.	B	1	0
11.	1, 55	2	0
12.	9	1	0
13.	B	1	0
14.	5.80	2	0
15.	$\frac{8}{11}$	1	0
16.	B	1	0
17.	3	2	0
18.	0	1	0
19.	(8, 4)	2	0
20.	C	2	0
21.	96, 101	3	0
22.	A	1	0
23.	$\frac{1}{7}$ or 1:7 or 1 in 7	2	0
24.	C	1	0
25.	7	2	0
26.	C	2	0
27.	$\frac{1}{8}$	1	0
28.	A	3	0
29.	9	2	0
30.	A	3	0

Total [　　　]

2 3 4 5 6 7 8 9 10 11 12 A B C D E