Name _____

Topic **5**
Assessment

1. Select all of the following equations the number 50 will make true. **1 point**

- [x] 2,000 ÷ ☐ = 40
- [ ] 350 ÷ ☐ = 70
- [ ] 1,000 ÷ ☐ = 200
- [x] 4,500 ÷ ☐ = 90
- [ ] 500 ÷ ☐ = 5

2. Which of the following is the best estimate of 756 ÷ 28? **1 point**

- (A) 30
- (B) 35
- (C) 40
- (D) 45

3. A factory makes 718 toy trains in one day. The toy trains are placed in boxes of 30.

A. In what place will the first digit of the quotient be? **1 point**

The tens place

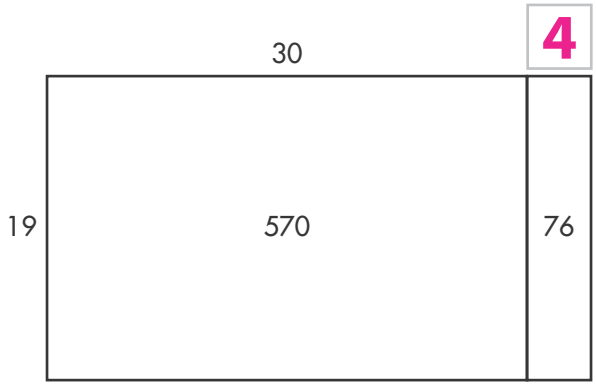
B. How many boxes will be filled? **1 point**

23

C. How many toy trains will be left over? **1 point**

28

4. A rectangular field has an area of 646 square feet. The width of the field is 19 feet. **2 points**



Write a number in the box to show the missing measurement.

What is the length of the field?

34 feet

5. A. Divide. **1 point**

8,400 ÷ 40 = 210

B. Select all of the expressions that are equal to 8,400 ÷ 40. **1 point**

- [ ] 8,400 ÷ 4
- [x] 8,400 ÷ 4 tens
- [x] 84 hundreds ÷ 4 tens
- [ ] 84 ÷ 4
- [ ] 84,000 tens ÷ 4 tens

6. Choose the correct quotient for each expression. **1 point**

	900	9	90	150
4,500 ÷ 30	☐	☐	☐	■
4,500 ÷ 5	■	☐	☐	☐
450 ÷ 50	☐	■	☐	☐
450 ÷ 5	☐	☐	■	☐

7. Use the table.

Marco's Walking Goal: 475 Miles

Plan	Number of Miles Each Week	Number of Weeks Needed
A	10	48
B	20	24
C	30	**16**

A. Using Plan C, how many weeks will it take Marco to reach his walking goal? Write the missing number in the table. **1 point**

B. Show how you found your answer to **A**. **1 point**

Sample answer:
30 × 15 = 450;
30 × 16 = 480;
480 > 475

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8. A bakery will make 5,400 graham crackers. The graham crackers are packaged in boxes of 60. How many boxes of graham crackers will the bakery have?

A. Identify which expression represents the problem. **1 point**

Ⓐ 5,400 ÷ 10
Ⓑ 60 ÷ 5,400
Ⓒ 60 × 5,400
Ⓓ 5,400 ÷ 60

B. How many boxes of graham crackers will the bakery have? **1 point**

90 boxes

9. A water tank is filled at a constant rate. After 36 minutes, there are 648 gallons of water in the tank. How many gallons of water flowed into the tank each minute? Use the model. **1 point**

18 gallons

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10. Select all the expressions that have a value of 6. **1 point**

- [x] 132 ÷ 22
- [x] 240 ÷ 40
- [ ] 480 ÷ 8
- [x] 102 ÷ 17
- [ ] 260 ÷ 6

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11. Ashton wants to find 6,278 ÷ 43.

A. Without doing the division, which number will the quotient be closest to? **1 point**

Ⓐ 1
Ⓑ 10
Ⓒ 100
Ⓓ 1,000

B. What is the exact quotient? **1 point**

146

12. A candidate for mayor is calling 882 registered voters to remind them about the upcoming election. If the candidate has 49 volunteers and each person calls the same number of voters, how many voters will each volunteer call?

A. Which of the following expressions represents the problem? **1 point**

Ⓐ $882 + 49$ Ⓒ 882×49

Ⓑ $882 \div 49$ Ⓓ $882 \div 2$

B. How many voters will each volunteer call? **1 point**

Ⓐ 20 voters Ⓒ 18 voters

Ⓑ 19 voters Ⓓ 17 voters

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13. A middle school needs buses to transport 579 students. If each bus carries 48 students, what is the least number of buses needed? **1 point**

Ⓐ 12 buses Ⓒ 14 buses

Ⓑ 13 buses Ⓓ 15 buses

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14. A load of bricks weighs 7,798 ounces. Each brick weighs 67 ounces. Explain how you can use compatible numbers to estimate the number of bricks in the load. **1 point**

Sample answer: I can use 7,700 instead of 7,798 and 70 instead of 67. Then I can divide 7,700 ÷ 70 = 110. So a reasonable estimate is 110 bricks.

15. A theater holds 1,512 people. The 54 sections of the theater each have the same number of seats. Esther wants to find the number of seats in each section. Fill in the partial quotients that are missing from Esther's work below. **1 point**

```
      8
     20
54)1,512
  −1,080
     432
    −432
       0
```

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16. A small business makes bottles of lemonade. Today, they have 528 ounces of lemonade to bottle. Each bottle holds 24 ounces of lemonade. They sell each bottle for $2.

A. Write two equations with variables that can be used to find how many dollars the business will receive by selling all of the bottles. **1 point**

Sample answer:
$528 \div 24 = b$;
$b \times 2 = d$

B. How many dollars will the business receive? **1 point**

$44

17. Select all of the following equations the number 70 will make true. **1 point**

- ☐ 350 ÷ ☐ = 50
- ☑ 42,000 ÷ ☐ = 600
- ☑ 490 ÷ ☐ = 7
- ☐ 5,600 ÷ ☐ = 800
- ☑ 700 ÷ ☐ = 10

18. Select the quotient for each expression. **1 point**

	150	15	13	130
650 ÷ 50	❒	❒	■	❒
7,500 ÷ 50	■	❒	❒	❒
6,500 ÷ 50	❒	❒	❒	■
750 ÷ 50	❒	■	❒	❒

19. It will cost a total of $7,740 for 18 students to go to New York City for spring break. The cost for each student is the same. What is the cost for each student?

A. Identify which expression represents the problem. **1 point**

- Ⓐ 7,740 ÷ 18
- Ⓑ 7,740 × 18
- Ⓒ 7,740 − 18
- Ⓓ 7,740 ÷ 10

B. What is the cost for each student? **1 point**

$430

20. Find the quotient. **1 point**

684 ÷ 57

12

21. Which partial quotients could be added to find 777 ÷ 21? **1 point**

- Ⓐ 30 and 3
- Ⓑ 30 and 7
- Ⓒ 40 and 3
- Ⓓ 40 and 10

22. The table shows the number of golf balls produced by a factory each day for a week. The golf balls are packed in boxes of 12.

Day	Golf Balls
Monday	215
Tuesday	153
Wednesday	349
Thursday	264
Friday	155

How many boxes of golf balls will the factory pack on Thursday? **1 point**

22

