

Formulate Write and solve equations for problems 1 and 2.

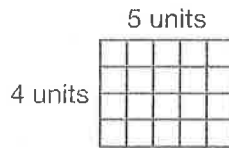
*1. ⁽³¹⁾ There were 150 seats in the cafeteria. If 128 seats were filled, how many seats were empty?

*2. ^(Inv. 4, 43) **Analyze** Anaya ran 100 meters in 12.14 seconds. Marion ran 100 meters in 11.98 seconds. Marion ran 100 meters how many seconds faster than Anaya?

*3. ^(31, 34) Forty-two million is how much greater than twenty-four million?

*4. ⁽⁴⁹⁾ Keenan bought his lunch Monday through Friday. If each lunch cost \$1.25, how much did he spend on lunch for the week?

*5. ^(Inv. 2, Inv. 3) Find the perimeter and area of this rectangle:



*6. ⁽²²⁾ **Explain** Re'Bekka read 30 pages a day on Monday, Tuesday, and Wednesday. She read 45 pages on Thursday and 26 pages on Friday. How many pages did she read in all? Explain why your answer is reasonable.

*7. a. ^(Inv. 5, 70) **Represent** One half of the cabbage seeds sprouted. If 74 seeds were planted, how many sprouted? Draw a picture to solve the problem.

b. What percent of the seeds sprouted?

*8. ⁽³⁶⁾ **Represent** Show all of the different ways these bills can be arranged in a row.



*9. ⁽⁷⁰⁾ **Represent** What is $\frac{1}{6}$ of 60? Draw a picture to solve the problem.

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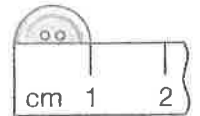
Name _____

***10.** **Analyze** (57) Driving at a highway speed limit of 65 miles per hour, how far can a truck travel in 3 hours? Make a table to solve this problem.

***11.** **Formulate** (60, 65) If a truck traveled 248 miles in 4 hours, then the truck traveled an average of how many miles each hour? Write an equation to solve this problem.

***12. a.** (69) What is the diameter of this shirt button in centimeters?

b. What is the radius of this shirt button in millimeters?



***13.** (45, 69) Segment AB is 2.7 cm long. Segment BC is 4.8 cm long. How long is segment AC ? Write a decimal addition equation and find the answer.



14. (43) $\$8 + \$9.48 + 79\text{¢}$

15. (50) $5.36 + 2.1 + 0.43$

16. (52) $\$100.00$
 $-\$59.47$

17. (52) $37,102$
 $-18,590$

18. (Inv. 3, 62) $\sqrt{49} \times 2^3$

***19.** (67) $\$1.63 \times 40$

***20.** (67) 60×39

21. (58) $7 \times \$2.56$

***22.** (68) $3 \overline{)89}$

***23.** (65) $9 \overline{)234}$

24. (64) $\frac{90}{6}$

***25.** (68) $243 \div 7$

***26.** (41, 65) $5m = 355$

27. (2) $7 + n = 28$

28. **Represent** (35, Inv. 4) Write twelve and three tenths as a mixed number and as a decimal number.

***29.** **Multiple Choice** (55) Which of these numbers is a factor of both 12 and 20?

A 3

B 4

C 5

D 6

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Name _____

- *30.** **Represent** Draw a triangle that has one right angle.
(23)

**Early
Finishers***Real-World
Connection*

Leroy's class took a field trip to the aquarium. A total of 35 students and adults went on the trip. Five sevenths of the group were students.

- How many students went on the field trip?
- Draw a diagram to show that your answer is reasonable.