

Name _____

***1.** (52, 65) Seventy-five beans were equally divided into five pots. How many beans were in each pot?

***2. a.** **Analyze** Find the perimeter and area of this rectangle. Remember to label your answer with *units* or *square units*.
(Inv. 2, Inv. 3)



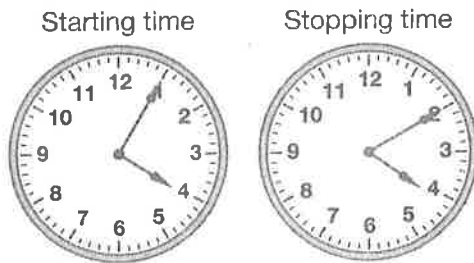
b. **Represent** Sketch a rectangle that is four units wide with the same area as the rectangle in part a. What is the perimeter of this new rectangle?

3. Multiple Choice (40) The server placed a full pitcher of water on the table. Which of the following is a reasonable estimate of the amount of water in the pitcher?

- A 2 gallons B 2 quarts C 2 cups D 2 ounces

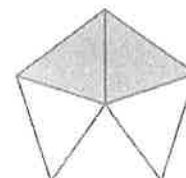
***4. Multiple Choice** (55) Which of these numbers is *not* a factor of 12?
A 6 B 5 C 4 D 3

5. (27) The starting time was before dawn. The stopping time was in the afternoon. What was the difference in the two times?



***6.** **Represent** (34) One square mile is 3,097,600 square yards. Use words to write that number of square yards.

7. a. What fraction of this pentagon is *not* shaded?
(Inv. 5, 61)
b. Is the shaded part of this pentagon more than 50% or less than 50% of the pentagon?




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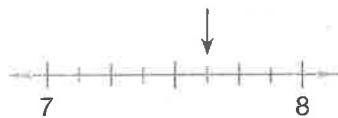
Name _____


8. According to this calendar, what is the date of the last Saturday in July 2019?
(54)

JULY 2019						
S	M	T	W	T	F	S
	1	2	3	4	5	6
7	8	9	10	11	12	13
14	15	16	17	18	19	20
21	22	23	24	25	26	27
28	29	30	31			

- *9.  **Estimate** To estimate the product of two factors, a student rounded one factor down and left the other factor unchanged. Was the estimate greater than the exact product or less than the exact product? Give an example to support your answer.
(59)

10. **Represent** To what mixed number is the arrow pointing?
(37)



- *11.  **Justify** Sofia estimated that the exact product of 4×68 is close to 400 because 68 rounded to the nearest hundred is 100, and $4 \times 100 = 400$. Was Sofia's estimate reasonable? Explain why or why not.
(59)

- *12. Compare: 2^3 ○ 2×3
(Inv. 1, 62)

13. $\$6.25 + \$4 + \$12.78$
(43)

14. $3.6 + 12.4 + 0.84$
(50)

15. $\$30.25$
(24, 52)
 $\begin{array}{r} \$30.25 \\ - \quad \quad b \\ \hline \$13.06 \end{array}$

16. $149,384$
(52)
 $\begin{array}{r} 149,384 \\ - 98,765 \\ \hline \end{array}$

17. 409
(67)
 $\begin{array}{r} 409 \\ \times 70 \\ \hline \end{array}$

18. $5 \times \$3.46$
(58)

19. $\$0.79 \times 6$
(58)

*20. $10 \times 39\text{¢}$
(67)

*21. $6 \overline{)90}$
(64)

*22. $4w = 96$
(41, 64)

*23. $8 \overline{)456}$
(65)

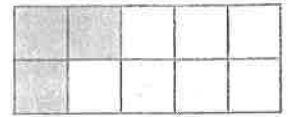
*24. $95 \div 5$
(64)

*25. $234 \div 3$
(65)

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***26.** Name the shaded part of this rectangle as a fraction and as a decimal.
(Inv. 4)



***27. a. Multiple Choice** Which two figures are congruent?
(66)

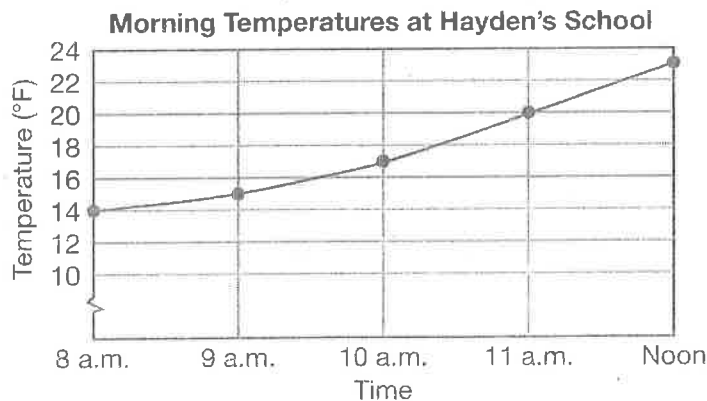


b. Conclude Explain how you know.

28. How much money is $\frac{1}{4}$ of a dollar?
(36)

***29. Represent** Draw a hexagon. A hexagon has how many vertices?
(63)

***30. Interpret** The line graph shows the temperature at different times on a winter morning at Hayden's school. Use the graph to answer the questions that follow.
(Inv. 6)



- At what time was the first temperature of the morning recorded? What was that temperature?
- Was the noon temperature warmer or colder than the 10 a.m. temperature? How many degrees warmer or colder was the noon temperature?



Real-World Connection

Marla bought a new protein shake with ten times the amount of protein as her old protein shake.

- If the old protein shake has 3.25 grams of protein, how many grams of protein does Marla's new shake have?
- What equation did you use to solve?

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