Name _____ Date _____

BEGINNING-OF-YEAR TEST

Give the best answer for each question.

1. A store sold $125,372 in clothing in April and $137,972 in May. How much did they sell in clothing in April and May combined?

2. Zachary walks 1200 feet. Forrest walks 872 feet. How many more feet does Zachary walk?

$$\begin{array}{r} 1\,2\,0\,0 \\ -\quad 8\,7\,2 \\ \hline \end{array}$$

_____ feet

3. Find the product: 7 × 1 hundred.

_____

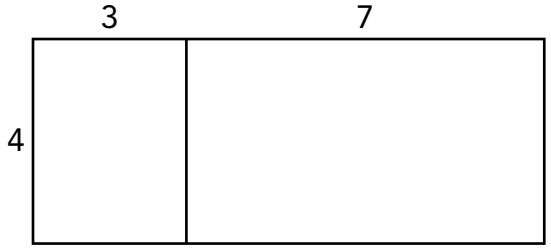
4. Fill in the blanks, using the Associative Property of Multiplication:

(8 × 1) × 3 = 8 × (_____ × 3)

_____ × _____ = 8 × _____

_____ = _____

5. Fill in the boxes to complete the multiplication equation given by the area model.



4 × (3 + _____)

= (_____ × 3) + (_____ × 7)

6. Multiply by first regrouping.

$$\begin{array}{r} 54 \\ \times\ \ 7 \\ \hline \end{array}$$

7. Part A
Draw an area model to represent the product 8×35. Divide the model by breaking 35 into tens and ones.

Part B
Find the area of each rectangle in the area model. Add the areas together to find the product 8×35.

_____

_____

8. Write two division facts that are related to $5 \times 8 = 40$.

_____

_____

9. Match each multiplication expression with its product.

8×7	24
4×7	56
3×8	48
3×4	12
6×8	28

10. Use the order of operations to simplify.

$8 + 36 \div 6$

_____

_____

11. If you multiply 42×28 by breaking apart into tens and ones, the four partial products are:

- ○ 800, 320, 400, 16
- ○ 80, 32, 40, 16
- ○ 840, 336, 1120, 56
- ○ 800, 320, 40, 16

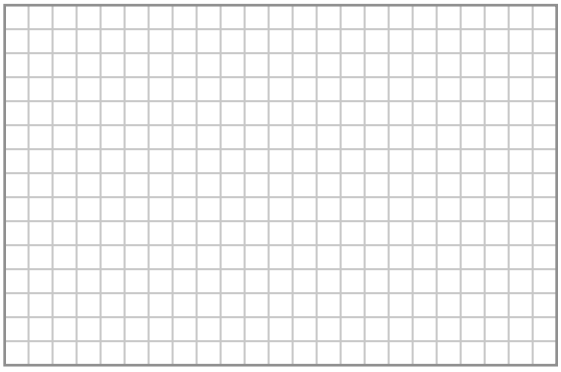
12. Estimate the quotient by finding the correct first digit.

about $4\overline{)947}$

13. First estimate by rounding. Then find the actual product.

$$\begin{array}{r} 89 \\ \times\ 42 \\ \hline \end{array}$$

14. Break apart the rectangle to show tens and ones. Label the sides and areas of the smaller rectangles. Use the model to find the product 23×15.



_____

15. If you use all of 32 objects, which of the following arrays can you construct? Select all that apply.

- ○ 6 rows, 5 columns
- ○ 6 rows, 6 columns
- ○ 8 rows, 4 columns
- ○ 9 rows, 4 columns
- ○ 4 rows, 9 columns
- ○ 4 rows, 8 columns

16. Find the quotient and remainder.

$3\overline{)16}$

- ○ 6 R3
- ○ 6 R1
- ○ 5 R4
- ○ 5 R1

17. **Divide:** $8\overline{)2504}$

18. Solve the following, using the correct order of operations.

$19 - 8 \times 2 + 15 \div 3 - 1$

19. List all of the factors of 48.

_____

20. Fill in the first seven multiples of 3.

3, _____, 9, _____, _____,

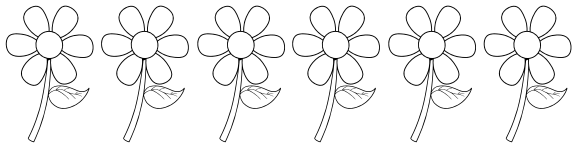
18, _____

21. List the first ten multiples of 2 and 5. Circle the common multiples.

_____

_____

22. Color $\frac{5}{6}$ of the flowers.



23. Find an equivalent fraction.

$\frac{1}{3} = \frac{n}{18}$

$n =$ _____

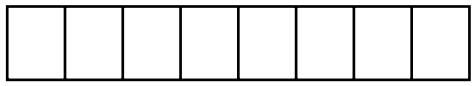
24. Which fractions are NOT in simplest form? Select all that apply.

- ○ $\frac{4}{5}$
- ○ $\frac{3}{9}$
- ○ $\frac{4}{6}$
- ○ $\frac{5}{11}$

25. Which of these fractions are greater than $\frac{1}{3}$? Select all that apply.

- ○ $\frac{3}{12}$
- ○ $\frac{3}{6}$
- ○ $\frac{2}{9}$
- ○ $\frac{10}{12}$

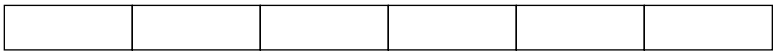
26. Shade $\frac{3}{4}$ of the bar.



27. Compare. Write $<$ or $>$.

$3\frac{4}{9}$ ◯ $3\frac{2}{3}$

28. Shade the model to find the sum $\frac{1}{6} + \frac{3}{6}$.



_____

29. Which of these sums is equal to 1? Select all that apply.

- ○ $\frac{1}{7} + \frac{3}{7} + \frac{1}{7} + \frac{1}{7}$
- ○ $\frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8} + \frac{1}{8}$
- ○ $\frac{1}{7} + \frac{4}{7} + \frac{2}{7}$
- ○ $\frac{1}{7} + \frac{2}{7} + \frac{1}{7} + \frac{2}{7}$

30. Subtract: $\frac{5}{6} - \frac{2}{6}$

_____

31. Use fraction strips to write $2\frac{4}{5}$ as an equivalent improper fraction.

_____

32. Ben has $1\frac{1}{4}$ cups of flour in a container. He also has a bag containing $2\frac{3}{4}$ cups of flour. He uses $1\frac{3}{4}$ cups of flour to bake muffins. How much flour is left?

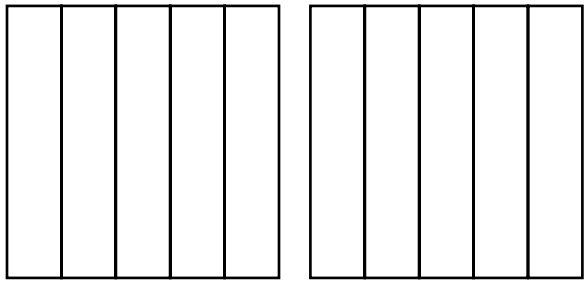
_____

33. Find the product. Write your answer as a mixed number.

$15 \times \frac{1}{4}$

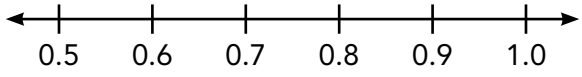
_____

34. Shade and label the model to find the product: $3 \times \frac{2}{5}$. Write your answer as a fraction.



_____

35. Model 0.86 and 0.91 on the number line. Compare the decimals using <, =, or >.



0.86 ◯ 0.91

36. Harper reads for $\frac{1}{4}$ hour five days a week. Arlen reads $\frac{3}{4}$ hour two days a week. Who spends more time reading during the week? Explain your answer.

_____

_____

_____

_____

_____

37. Andrew is one and five tenths meters tall. Write the height as a decimal.

_____ m

38. Write $\frac{47}{100}$ as a decimal.

_____

39. Vedavit walks his dog the same distance each day. After 5 days, he has walked his dog 1 mile. How many feet does he walk his dog each day?

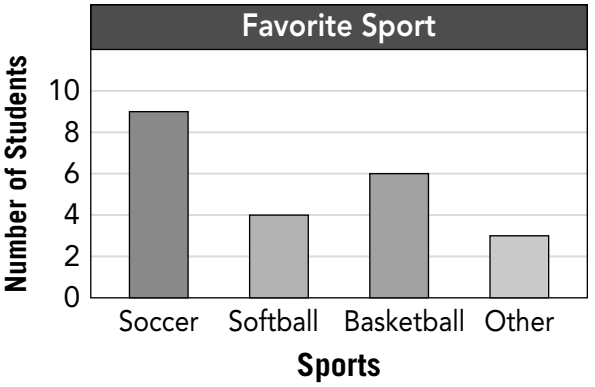
40. Write the following measurements from greatest to least.

10 m, 100 cm, 1 km, 10,000 cm

41. Write the elapsed time from 8:45 A.M. to 2:07 P.M.

_____ hours _____ minutes

42. Students completed a survey about favorite sports. The graph shows the results for one class.



Part A

How many students chose basketball as their favorite sport?

Part B

How many students chose a sport that is not softball?

Part C

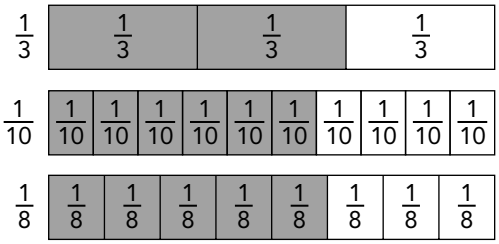
How many more students chose soccer than softball?

43. Put the fractions in order from least to greatest.

$\frac{2}{3}$ $\frac{5}{8}$ $\frac{6}{10}$

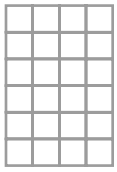
$<$ $<$

Use the fraction bars to help.



44. Use a protractor to sketch an angle with a measure of 50 degrees.

45. Find the area of the rectangle.

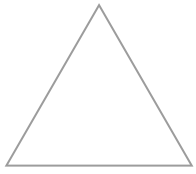


Area = _____ sq units

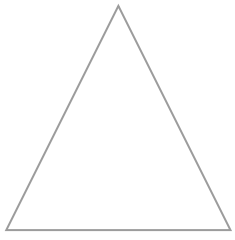
46. Draw lines to classify each triangle as right, equilateral, isosceles, or scalene. Some triangles may be named in more than one way.

Right

Equilateral



Isosceles



Scalene

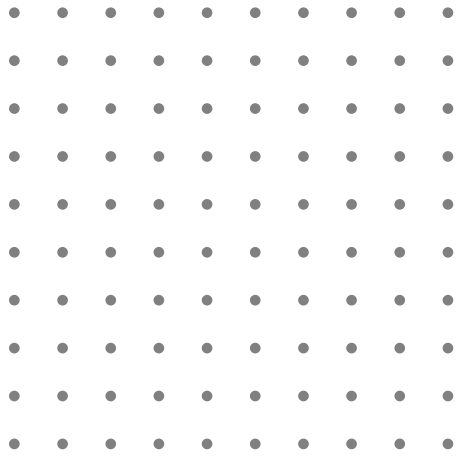
47. Part A

Draw a quadrilateral with 4 right angles and 4 equal side lengths.

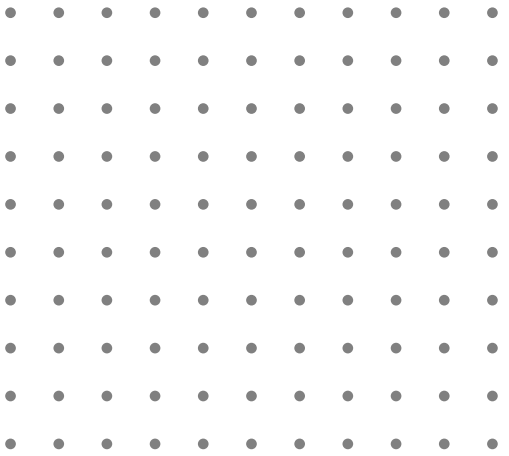
Part B

Draw a trapezoid with 2 right angles.

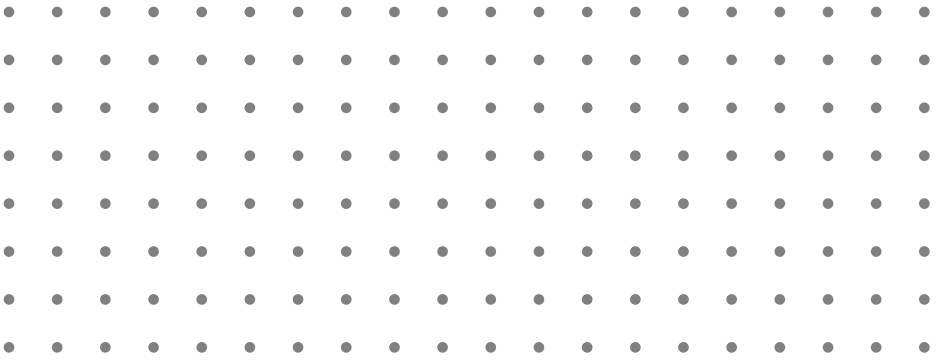
A



B



48. Draw a rectangle and a square that each have a perimeter of 20.



49. The rectangular field in a sports arena is 110 m long and 50 m wide. What is the area of the field?

A = _____