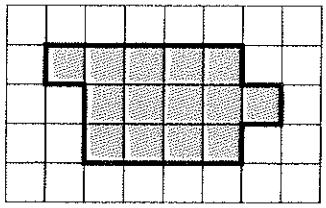
Name _____ Monday

Test on Wed! HW (due Tues.)

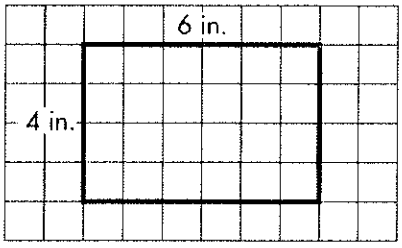
Topic 6

1. Count to find the area of the shape. Tell if the area is exact or an estimate.



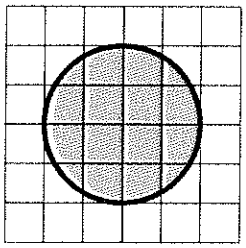
☐ = 1 unit square

2. Choose all of the ways to break apart the area of the large rectangle into the sum of the areas of two smaller rectangles.



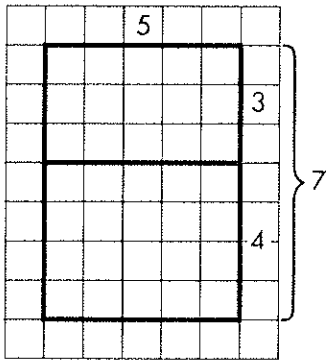
- ☐ $4 \times 6 = 4 \times (4 + 2) = (4 \times 4) + (4 \times 2)$
- ☐ $4 \times 6 = 4 \times (6 + 1) = (4 \times 6) + (4 \times 1)$
- ☐ $4 \times 6 = 4 \times (1 + 5) = (4 \times 1) + (4 \times 5)$
- ☐ $4 \times 6 = 4 \times (3 + 3) = (4 \times 3) + (4 \times 3)$
- ☐ $4 \times 6 = 4 \times (3 + 1) = (4 \times 3) + (4 \times 1)$

3. Kaitlin says that the figure below has an area of 6 square yards. Is she correct? Explain.



☐ = 1 square foot

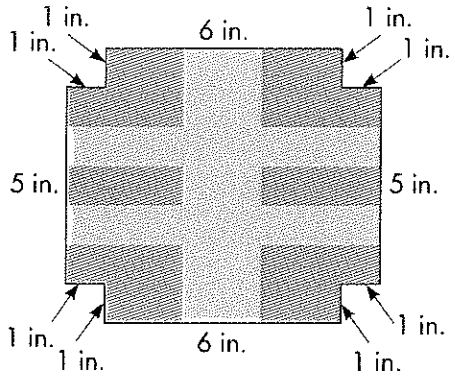
4. Use the Distributive Property to write the equation that represents the picture.



MATH HW WEEK of 1/30

mon. (due Tues.)

5. Mrs. Anderson makes a design for a pillow top with square inches of fabric shown below. What is the total area of the design?



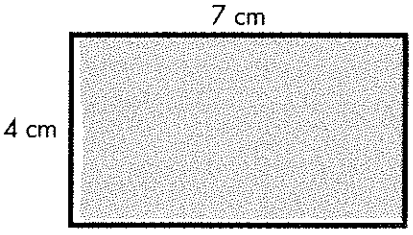
Ⓐ 30 square inches

Ⓑ 48 square inches

Ⓒ 52 square inches

Ⓓ 60 square inches

6. Josie draws a rectangle. Explain how to find the area.



7. Jeff has a square garden. One side of the garden is 8 feet long. What is the area of Jeff's garden?

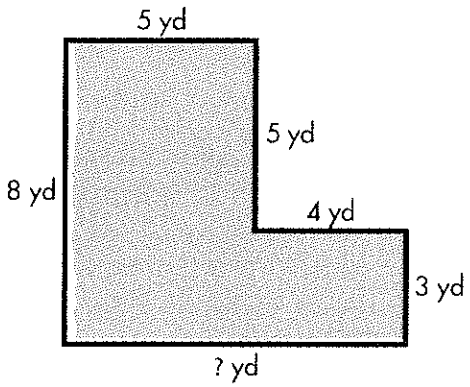
Ⓐ 16 square feet

Ⓑ 32 square feet

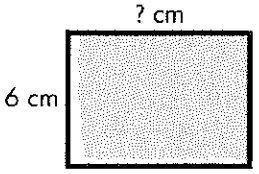
Ⓒ 64 square feet

Ⓓ 128 square feet

8. Find the missing side length. Then find the area.



9. Lizzie draws a rectangle with an area of 42 square centimeters. She labels one side 6 centimeters, but she forgot the other side. What is the missing length?



Ⓐ 6 centimeters

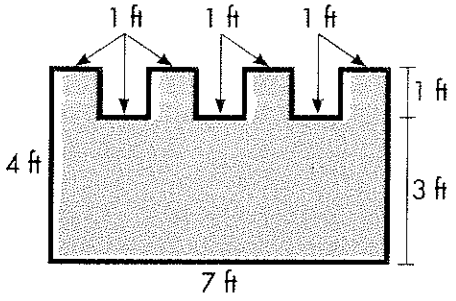
Ⓑ 7 centimeters

Ⓒ 8 centimeters

Ⓓ 9 centimeters

Tuesday (due Wed.)

10. What is the area of Jo's figure?



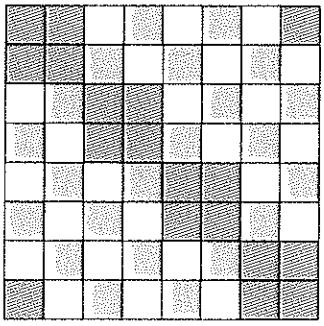
Ⓐ 25 square feet

Ⓑ 28 square feet

Ⓒ 32 square feet

Ⓓ 35 square feet

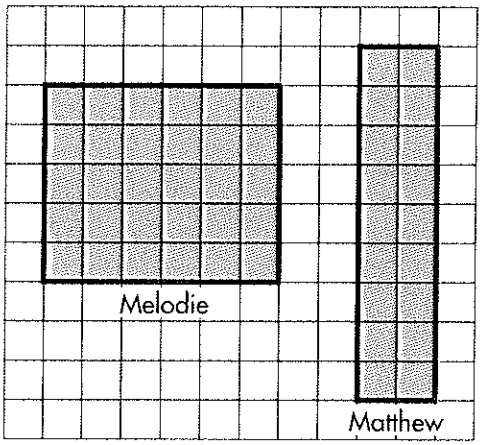
11. Taylor makes a floor mosaic with 1-foot tiles as shown below. Do the white, light gray, or dark gray tiles cover the greatest area in Taylor's mosaic?



12. The length of a rectangle is 8 centimeters. Match the width of the rectangle to its area.

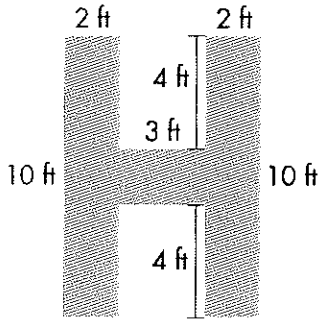
4 cm	48 square cm
6 cm	40 square cm
8 cm	32 square cm
5 cm	64 square cm

13. Melodie and Matthew each make a rectangle on grid paper. Explain how to find the area of each rectangle.



= 1 square centimeter

14. Some students make a parade float with the letter *H* on it. Draw lines to divide the shape into rectangles. Then find its area.



Ⓐ 20 square feet

Ⓑ 46 square feet

Ⓒ 40 square feet

Ⓓ 80 square feet

Tuesday (due Wed.)

15. Richard draws a rectangle with an area of 18 square centimeters. For questions 15a–15d, choose *Yes* or *No* to tell if the lengths are possible side lengths of Richard's rectangle.

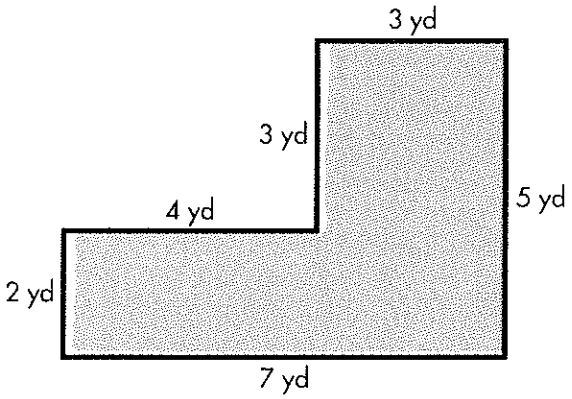
15a. 2 cm by 6 cm ○ Yes ○ No

15b. 4 cm by 6 cm ○ Yes ○ No

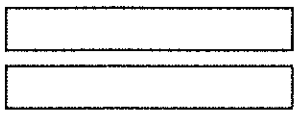
15c. 2 cm by 9 cm ○ Yes ○ No

15d. 3 cm by 6 cm ○ Yes ○ No

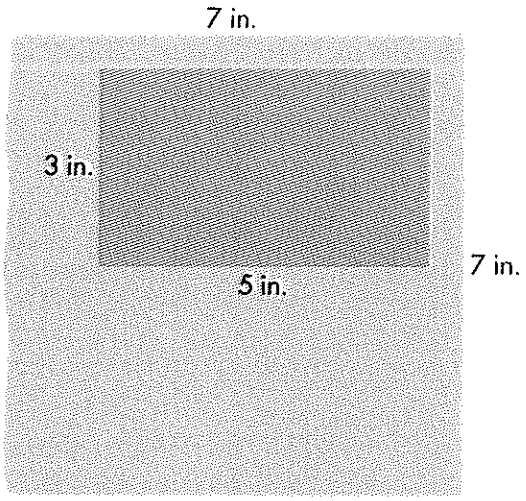
16. Mr. Wolfe builds a new deck in the shape shown below. Explain how to find the area of the deck, and solve.



17. Show 2 different unit squares that you can use to measure the area of these rectangles. Find the area with your unit squares.



18. Isabella wants to know the area of the lighter part of this design.



Part A

Explain how you can break this problem into simpler problems.

Part B

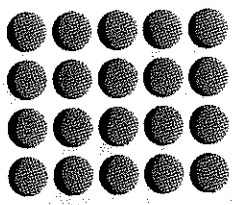
Find the light grey area. Show your work.

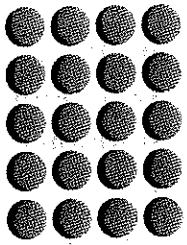
Practice

Wed HW (due Thurs)

Write multiplication sentences for the arrays.

1.

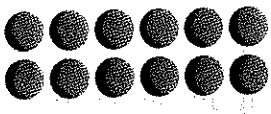




_____ _____

HINT The order of the factors can change. The product is the same.

2.



_____ _____

Use the commutative property to write another equation.

3. $4 \times 8 = 32$

_____

4. $6 \times 3 = 18$

_____

5. $8 \times 5 = 40$

_____

6. $2 \times 9 = 18$

_____

7. $7 \times 8 = 56$

_____

8. $6 \times 9 = 54$

_____

Fill in the missing number.

9. $5 \times 4 = 20$

$\_\_\_\_ \times 5 = 20$

10. $2 \times 7 = 14$

$7 \times \_\_\_\_ = 14$

REMEMBER The equations use the same numbers.

11. $6 \times 8 = 48$

$8 \times 6 = \_\_\_\_$

12. $3 \times \_\_\_\_ = 27$

$9 \times 3 = 27$

13. $4 \times 7 = 28$

$\_\_\_\_ \times 4 = 28$

14. $5 \times 9 = 45$

$9 \times 5 = \_\_\_\_$

Wed HW
(due Thurs.)

Find the product. Show how you multiply.

15. $3 \times 3 \times 2 =$ _____

16. $5 \times 2 \times 4 =$ _____

17. $6 \times 1 \times 5 =$ _____

18. $2 \times 3 \times 8 =$ _____

Choose the best answer.

19. 4×5

- **A.** $4 \times (2 \times 3)$
- **B.** $4 \times (2 + 3)$
- **C.** $4 + (2 + 3)$
- **D.** $4 + (2 + 3)$

20. 7×9

- **A.** $7 + (4 \times 5)$
- **B.** $7 \times (4 \times 5)$
- **C.** $7 + (4 + 5)$
- **D.** $7 \times (4 + 5)$

21. $3 \times (2 + 2)$

- **A.** $(3 \times 2) \times (3 \times 2)$
- **B.** $(3 + 2) \times (3 + 2)$
- **C.** $(3 \times 2) + (3 \times 2)$
- **D.** $(3 + 2) + (3 + 2)$

22. $5 \times (2 + 5)$

- **A.** $(5 \times 2) + (5 \times 5)$
- **B.** $(5 \times 2) \times (5 \times 5)$
- **C.** $(5 + 2) + (5 + 5)$
- **D.** $(5 + 2) \times (5 + 5)$

Solve.

23. DEMONSTRATE Make a drawing to show that 3×5 and 5×3 have the same product.

24. CREATE Write a real world problem with the equation $2 \times 2 \times 3 = 12$.

_____

_____

Practice

Thurs. HW (due Fri.)

Skip count to find the product.

1. $5 \times 8 =$ ____

____, ____, ____, ____, ____

HINT How many times do you skip count by 8?

2. $4 \times 7 =$ ____

____, ____, ____, ____

Use repeated addition to find the product.

3. $6 \times 4 =$ ____

____ + ____ + ____ + ____ + ____ + ____ = ____

4. $5 \times 9 =$ ____

____ + ____ + ____ + ____ + ____ = ____

Find the products.

5. $6 \times 3 =$ ____

$3 \times 6 =$ ____

6. $9 \times 2 =$ ____

$2 \times 9 =$ ____

7. $8 \times 4 =$ ____

$4 \times 8 =$ ____

8. $5 \times 7 =$ ____

$7 \times 5 =$ ____

9. $9 \times 4 =$ ____

$4 \times 9 =$ ____

10. $9 \times 8 =$ ____

$8 \times 9 =$ ____

REMEMBER The order of the factors does not change the product.

Use repeated subtraction to find the quotient.

11. $24 \div 6 =$ ____

$24 -$ ____ = ____

____ − ____ = ____

____ − ____ = ____

____ − ____ = ____

12. $45 \div 9 =$ ____

$45 -$ ____ = ____

____ − ____ = ____

____ − ____ = ____

____ − ____ = ____

____ − ____ = ____

Thurs H/W (due Fri.)

Write a multiplication fact you can use to find the quotient.

13. $28 \div 4 =$ _____

_____

14. $18 \div 2 =$ _____

_____

15. $35 \div 5 =$ _____

_____

16. $42 \div 7 =$ _____

_____

17. $15 \div 5 =$ _____

_____

18. $16 \div 8 =$ _____

_____

Write the product or quotient.

19. $4 \times 3 =$ _____

20. $5 \times 2 =$ _____

21. $7 \times 3 =$ _____

22. $9 \times 4 =$ _____

23. $6 \times 3 =$ _____

24. $3 \times 8 =$ _____

25. $5 \times 7 =$ _____

26. $8 \times 1 =$ _____

27. $12 \div 6 =$ _____

28. $40 \div 5 =$ _____

29. $28 \div 7 =$ _____

30. $36 \div 9 =$ _____

31. $18 \div 3 =$ _____

32. $24 \div 4 =$ _____

33. $32 \div 8 =$ _____

34. $7 \div 1 =$ _____

35. $10 \div 5 =$ _____

36. $56 \div 7 =$ _____

37. $9 \times 5 =$ _____

38. $14 \div 2 =$ _____

39. $2 \times 3 =$ _____

40. $35 \div 5 =$ _____

41. $4 \times 4 =$ _____

42. $9 \div 9 =$ _____

43. $5 \times 4 =$ _____

44. $15 \div 3 =$ _____

45. $5 \times 6 =$ _____

Solve.

46. DRAW Draw an array that could be used to find the quotient of $24 \div 3$.

47. WRITE Explain how you would use the distributive property to find the product of 5×9.

_____

_____