FOURTH GRADE

MATH SUMMER REVIEW

This packet belongs to:

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Name _____ Date _____

Rounding Numbers

1. Round the following number to the nearest 10.
467

2. Round the following number to the nearest 10.
834

3. Round the following number to the nearest 100.
652

4. Round the following number to the nearest 10.
242

5. Round the following number to the nearest 100.
799

6. Place 360 on the number line below.

300 400

Is 360 closer to 300 or 400? _____

7. Place 880 on the number line below.

800 900

Is 880 closer to 800 or 900? _____

8. Place 694 on the number line below.

690 700

Is 694 closer to 690 or 700? _____

9. Place 258 on the number line below.

250 260

Is 258 closer to 250 or 260? _____

10. A three digit number has the digits 2, 5, and 7. When rounded to the nearest hundred, it rounds to 800. What is the number? _____

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Add & Subtract WHOLE NUMBERS

1. Find the sum.

$$\begin{array}{r} 72 \\ +\ 29 \\ \hline \end{array}$$

2. Find the difference.

$$\begin{array}{r} 62 \\ -\ 38 \\ \hline \end{array}$$

3. Find the missing number.

$$\begin{array}{r} 57 \\ +\ \_\_ \\ \hline 82 \end{array}$$

4. Find the sum.

$$\begin{array}{r} 136 \\ +\ 173 \\ \hline \end{array}$$

5. Find the difference.

$$\begin{array}{r} 347 \\ -\ 262 \\ \hline \end{array}$$

6. Find the missing number.

$$\begin{array}{r} 423 \\ +\ \_\_ \\ \hline 705 \end{array}$$

7. Jesse scored 486 points on a video game. April scored 182 points. How many more points did Jesse score than April?

8. Mrs. Miller drove 278 miles on Monday and 342 miles on Tuesday. Write and solve a number sentence to find how far she drove in all.

9. Lanie has 225 pennies, 105 nickels, and 25 dimes. How many coins does she have in all?

10. The table below shows items purchased for a summer pool party.

Item	Number Purchased
Bottled Water	36
Popsicles	24
Pool Toys	12

Which number sentence can be used to find how many more bottles of water than popsicles were purchased?

A. 36 - 12 = ____
B. 36 + 12 = ____
C. 36 - 24 = ____
D. 36 + 24 = ____

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MULTIPLY Whole Numbers

1. Find the product.

$$\begin{array}{r} 50 \\ \times\ 6 \\ \hline \end{array}$$

2. Which method shows one way to find 4 X 20?

A. Multiply 4 x 2, then add 10
B. Multiply 4 x 2, then multiply by 10
C. Multiply 4 x 10, then add 10

3. What is the product of 3 x 80?

_____

How does knowing the product of 3 x 8 help you solve 3 x 80?

4. Jake mows lawns in the summer. He earns $10 for each lawn he mows. He mows 2 lawns each week. How much money will Jake earn in 9 weeks?

_____

5. Kelly runs 2 miles each day, Monday through Friday. How many miles does she run in 4 weeks?

_____

6. Which equation is true?

A. 50 x 2 = 52
B. 50 x 2 = 100
C. 50 x 2 = 502
D. 50 x 2 = 1000

7. A case of soft drinks has 24 cans in it. How many total cans are there in 6 cases?

_____

8. Which equation means the same as 7 x 60?

A. 7 x 6 + 0
B. 7 x 6 x 0
C. 7 x 6 + 10
D. 7 x 6 x 10

9. Andrew is on the track team. He runs 20 laps around the track every day. How many laps does he run in 7 days?

_____

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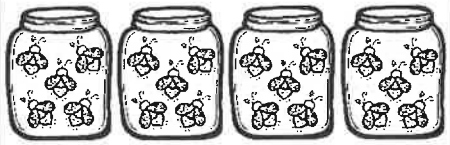
Equal Groups Multiplication

1. Becca collected 6 boxes of seashells. She put 7 seashells in each box. Which of these shows how may seashells Becca has collected?

A. 6×7
B. $6 + 7$
C. $6 \times 6 \times 6 \times 6 \times 6 \times 6 \times 6$
D. $7 \times 7 \times 7 \times 7 \times 7 \times 7$

2. Which equation below is represented in the picture?

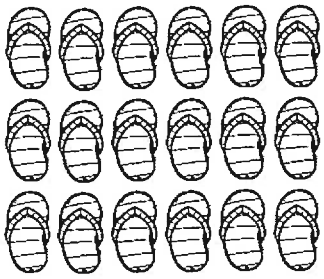


A. 20×4
B. 10×2
C. $5 \times 5 \times 5 \times 5$
D. 4×5

3. Liz has 4 boxes of crayons. Each box contains 8 crayons. Write an expression Liz could use to show the total number of crayons she has all together?

_____

4. Which expression is represented by this array?



_____

5. Dan has 8 pages of baseball cards. There are 8 cards on each page. How many cards does Dan have in all? Write a number sentence to solve the problem.

_____

6. Allysa makes 3 bracelets. Each bracelet has 9 beads. She uses 3×9 to find the total number of beads. Her friend puts one more bead on each bracelet Allysa makes. What new multiplication fact can be used to find the total number of beads they used?

_____

7. Mrs. Smith baked 3 batches of cookies. Each batch had 12 cookies. Which expression shows how many cookies Mrs. Smith baked?

A. $12 + 3$
B. $12 - 3$
C. 12×3
D. $3 + 3 + 3$

8. Draw an array to match the word problem below.

Holly has 3 boxes of popsicles. Each box has 5 popsicles in it. How many popsicles does Holly have all together?

_____

9. Which is another way to find the total number of ladybug legs?

$6 + 6 + 6 + 6$

A. $4 + 6$
B. 4×6
C. $6 - 4$
D. $4 + 4 + 4 + 4 + 4 + 4$

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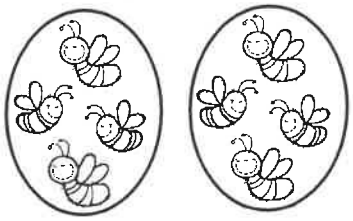
EQUAL GROUPS Division

1. Which equation is shown by the picture?



A. $8 \div 2 = 4$
B. $8 \div 4 = 2$
C. $4 \div 2 = 2$
D. $4 \div 4 = 1$

2. Mr. Richards has $15 to divide equally between his 3 children. Which equation could Mr. Richards use to find out how much money each of his children should receive?

A. $15 + 3 = 18$
B. $15 - 3 = 12$
C. $15 \div 3 = 5$
D. $15 \times 3 = 45$

3. Amanda has a bag of 32 popsicles to give out at her pool party. There are 7 girls at her party. If she divides the popsicles between all the girls, including herself, how many popsicles will each girl get?

_____

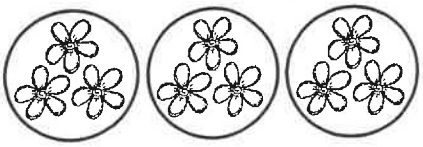
4. Addison read 45 books over the summer. She sorts her books into 5 equal groups. How many books does she put in each group?

_____

5. Dan buys 6 packs of gum with 5 pieces in each pack. He shares the gum evenly among himself and 5 friends. Write an equation to show many pieces of gum will each friend receive?

_____

6. Julie drew the picture below to match an equation. Which equation matches Julie's picture?



A. $3 \times 3 = 9$
B. $9 \div 3 = 3$
C. $9 - 3 = 6$
D. $27 \div 3 = 9$

7. Leah bought 54 strawberries. She put the same number of strawberries into 9 baskets. Write an equation to show how many strawberries she put in each basket.

_____

8. Nick has collected 60 rocks. He puts an equal number of rocks into 5 boxes. How does Nick find the number of rocks in each box?

A. He multiplies 5 times 60
B. He subtracts 5 from 60
C. He adds 60 to 5
D. He divides 60 by 5

9. Abby makes 12 cupcakes for 6 friends. She wants to know how many cupcakes each friend will get. Which expression will help Abby find the number of cupcakes each friend will get?

A. $12 \div 6 = 2$
B. $12 \times 2 = 6$
C. $18 \div 6 = 3$
D. $12 \times 6 = 72$

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Unknown Whole Numbers

Place a number in each blank to make the number sentence true.

1. $9 \times \_\_\_ = 27$

2. $36 \div \_\_\_ = 6$

3. $\_\_\_ \times 4 = 40$

4. $\_\_\_ \div 3 = 7$

5. $10 \times \_\_\_ = 20$

6. $5 \times \_\_\_ = 45$

7. $42 \div \_\_\_ = 6$

8. $\_\_\_ \div 2 = 4$

9. $5 \times \_\_\_ = 30$

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MULTIPLY & Divide

1. 9 x 2 = ____	2. 7 x 3 = ____	3. 5 x 4 = ____	4. 8 x 7 = ____
5. 3 x 0 = ____	6. 9 x 5 = ____	7. 6 x 6 = ____	8. 4 x 3 = ____
9. 42 ÷ 6 = ____	10. 24 ÷ 4 = ____	11. 81 ÷ 9 = ____	12. 32 ÷ 8 = ____
13. 20 ÷ 2 = ____	14. 36 ÷ 9 = ____	15. 72 ÷ 8 = ____	16. 21 ÷ 3 = ____
17. Write a related fact for 4 x 4 = 16. ___ ÷ ___ = ___	18. Write a related fact for 5 x 3 = 15. ___ ÷ ___ = ___	19. Write a related fact for 27 ÷ 9 = 3. ___ x ___ = ___	20. Write a related fact for 40 ÷ 8 = 5 ___ x ___ = ___
21. Mr. Nix has 8 grandchildren. He wants to give each grandchild 3 books. How many total books does he need? Write an expression and solve.	22. Laci has 8 cookies. She and 3 friends share them equally. How many cookies did they each get? Write an expression and solve.	23. Erin's dance teacher wants to put 48 dancers into 6 groups. How many students will be in each group? Write an expression and solve.	24. Randy had guitar lessons 7 times each month for 9 months. What was the total number of guitar lessons Randy had in 9 months? Write an expression and solve.

Write the related facts (fact family) for the arrays.

25. 
___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

26. 
___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

27. 
___ x ___ = ___
___ x ___ = ___
___ ÷ ___ = ___
___ ÷ ___ = ___

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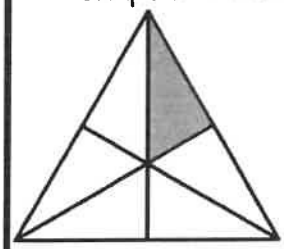
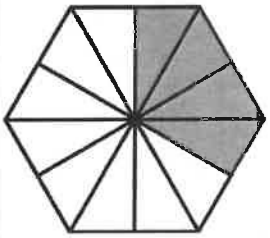
Fraction Models

1. What fraction of the shape is shaded?



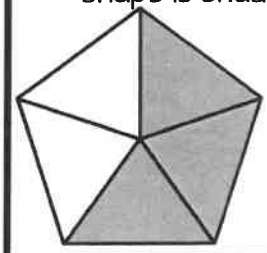
_____

2. What fraction of the shape is shaded?



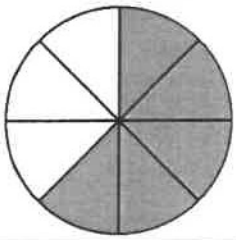
_____

3. What fraction of the shape is shaded?



_____

4. Amy's family had pizza for dinner. The shaded parts below shows how much was eaten. Which fraction shows how much pizza was left?

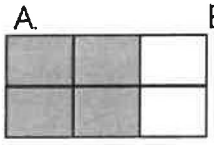


A. $\frac{3}{6}$ C. $\frac{5}{5}$

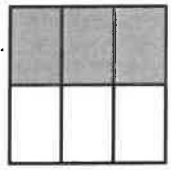
B. $\frac{3}{8}$ D. $\frac{5}{8}$

5. Which fraction model shows $\frac{2}{6}$ shaded?

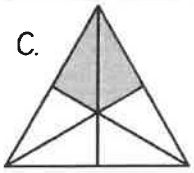
A.



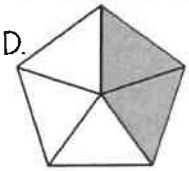
B.



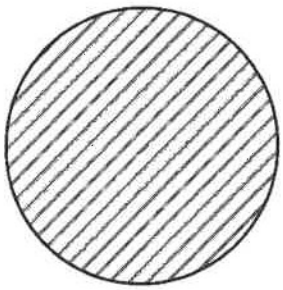
C.



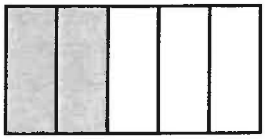
D.



6. The circle below shows one whole. Shade the circle to show $\frac{3}{4}$.



7. Wesley drew a model of a candy bar and shaded the amount he ate. What fraction of the candy bar did Wesley eat?

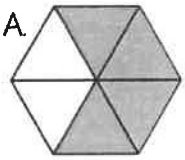


A. $\frac{5}{2}$ B. $\frac{3}{5}$ C. $\frac{2}{6}$ D. $\frac{2}{5}$

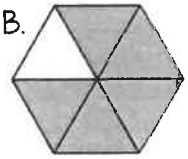
8. Kasey drew a hexagon and shaded it $\frac{5}{6}$.

Which shape could be hers?

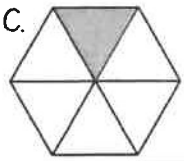
A.



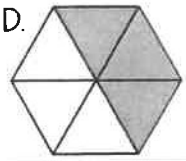
B.



C.

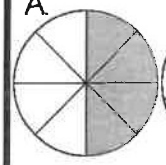


D.

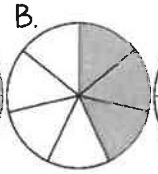


9. Mrs. Smith cut an apple into 8 equal slices. She gave 3 of the slices to her son and 2 slices to her daughter. Which fraction model shows how many slices Mrs. Smith has left.

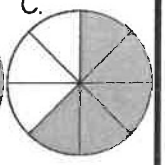
A.



B.



C.



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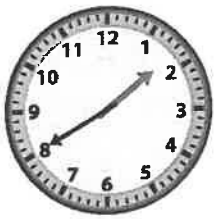
Measurement and Data 3.MD.1

Name _____ Date _____

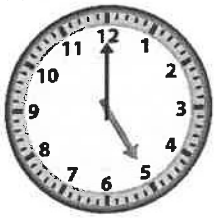
Telling TIME

1. Julia went to the pool 60 minutes after the time shown on the clock. What time did Julia go to the pool?



A. 1:20
B. 1:40
C. 2:20
D. 2:40

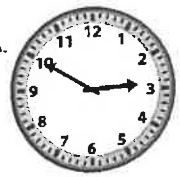
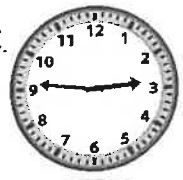
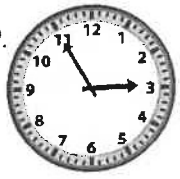
2. Lily's birthday party last one hour and thirty minutes. The clock shows what time her birthday party ended. What time did Lily's birthday part start?



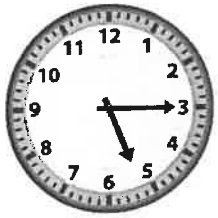
A. 4:00
B. 4:30
C. 3:00
D. 3:30

3. Which clock best represents the time shown on the digital clock?

2:50

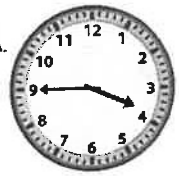
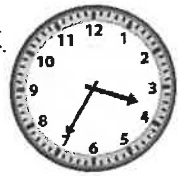
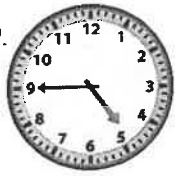
A. 
C. 
B. 
D. 

4. Mrs. Smith started cooking 45 minutes before the time shown on the clock. What time was it when Mrs. Smith started to cook?



A. 4:30
B. 4:45
C. 5:30
D. 5:45

5. The time now is 3:20. Jake has to leave for baseball practice in 15 minutes. Which clock shows the time Jake will leave for baseball practice?

A. 
C. 
B. 
D. 

6. Molly leaves for her grandparents house at the time shown on the clock. She gets back home 3 hours and 30 minutes later. What time did Molly get home?

A. 6:15
B. 6:45
C. 6:00
D. 5:30

7. Kyle leaves his house at 2:30 to go to walk his dog. Taylor leaves her house 20 minutes earlier to walk her dog. What time did Taylor start walking her dog?

A. 1:20
B. 1:40
C. 2:10
D. 2:40

8. Kasey gets up at 6:15 a.m. She eats breakfast at 7:20 a.m. How long is it after Kasey gets up before she eats breakfast?

A. 55 minutes
B. 60 minutes
C. 65 minutes
D. 70 minutes

9. It took 18 minutes for Scott to walk to Mark's house. If he left at 7:48, what time did Scott get to Mark's house?

_____

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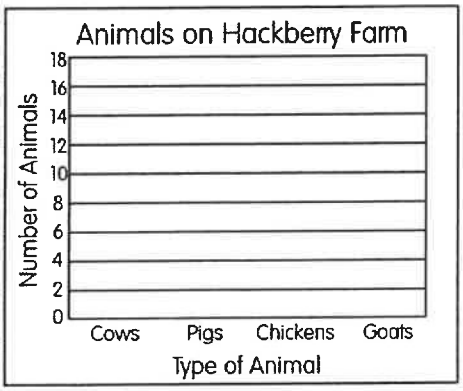
Graphing Data

1. Mr. Hackberry counted the number of animals on his farm. He counted 14 cows, 9 pigs, 17 chickens, and 6 goats. Make a bar graph to show the number of animals on his farm.



2. How many more chickens are there than pigs?

A. 3 more C. 9 more

B. 8 more D. 11 more

3. How many animals did Mr. Hackberry have in all?

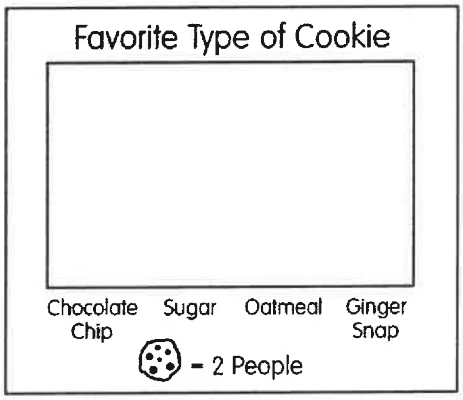
A. 46 animals C. 40 animals

B. 45 animals D. 31 animals

4. Jillan surveyed 16 of her friends about their favorite type of cookie. Her results are below.

Chocolate Chip	6
Sugar	3
Oatmeal	5
Ginger Snap	2

Draw a pictograph to show the number of people that liked each cookie.

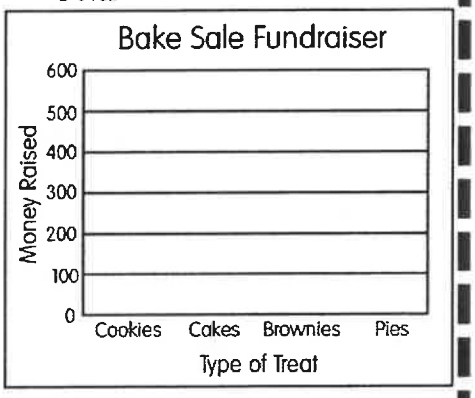


5. How many more people liked oatmeal than sugar?

A. 4 more C. 8 more

B. 3 more D. 2 more

6. The cheerleading team held a bake sale fundraiser. Each item cost $1. They sold 450 cookies, 200 cakes, 350 brownies, and 600 pies. Make a bar graph to show how much money they earned from each item sold.



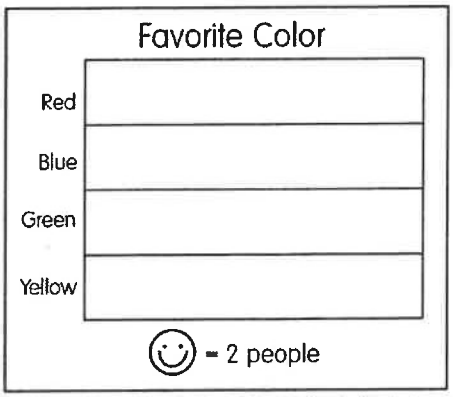
7. Based on the results, which item should they make more of to sale at their next bake sale fundraiser?

A. cookie C. brownies

B. pies D. cakes

8. What interval was used for this scale? _____

9. Survey friends and family members about their favorite color. Make a pictograph to show how many people liked each color. Based on your results create a question with answer choices about your graph. Be sure to circle the correct answer.



10. _____

_____

_____

_____

_____

A. _____ A. _____

B. _____ B. _____

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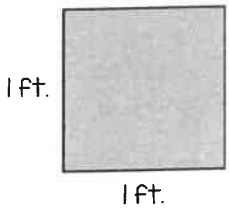
Name _____ Date _____

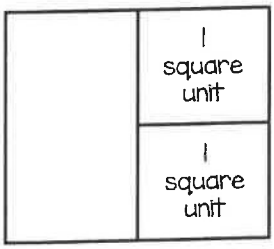
Area of Shapes

1. The side lengths of a square are 1 foot long. Which measure represents the area of the square?



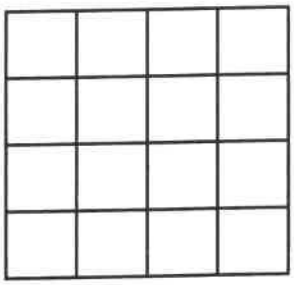
A. 1 square foot
B. 1 foot
C. 4 square feet
D. 4 feet

2. Figure X is divided into 3 parts. Which statement about Figure X is correct?



A. Figure X has an area of 2 square units, because there are 2 squares.
B. Figure X has an area of 3 square units, because it is divided into 3 parts
C. Figure X has an area of 4 square units, because, a total 4 square would cover the figure.

3. What is the area of <u>each square unit</u> in the figure below?



A. 16 square units
B. 12 square units
C. 4 square units
D. 1 square unit

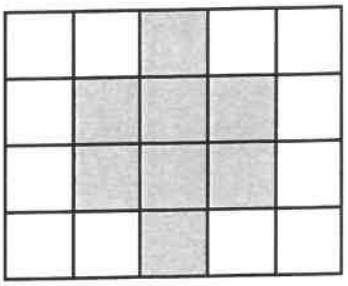
4. Which statement is NOT true?

A. Two square units have an area of 2 square units.
B. A unit square has an area of 1 square unit
C. A unit square has a side length of 1 square unit.
D. Area can be measured using square units.

5. Which of the following could be represented by 80 square feet?

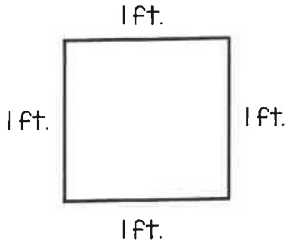
A. the area of a rug
B. the length of a house
C. the volume of a block
D. the perimeter of a living room

6. What is the area, in square units, of the shaded figure?



A. 9 square units
B. 8 square units
C. 12 square units
D. 1 square unit

7. The figure shows the length and width of the tile. Which statement about the tile is true?



A. The tile has an area of 4 square feet, because 1 x 4 = 4.
B. The tile has an area of 2 square feet, because 1 x 1 = 2
C. The tile has a unit of 1 square foot, because 1 x 1 = 1.
D. Area cannot be determined.

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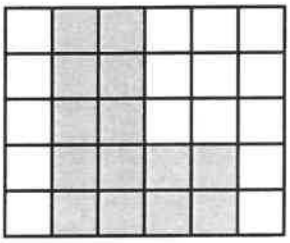
Measurement and Data 3.MD.6

Name _____ Date _____

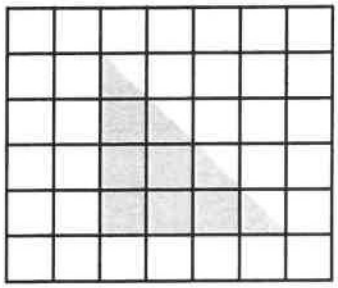
MEASURING Area

1. The diagram below shows the dimensions of a garden. What is the area of the shaded portion?



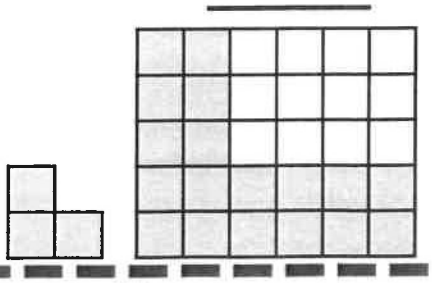
☐ = 1 square yard

2. What is the area of the shaded figure below?

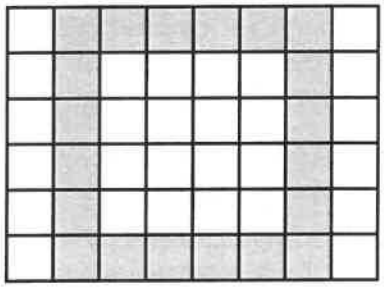


☐ = 1 square unit

3. How many L shaped pieces would it take to cover the shaded figure?

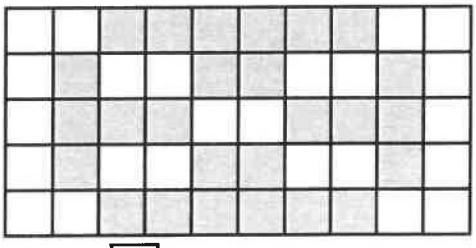


4. The dimensions of a picture frame is shaded on the diagram below. What is the area of the picture frame?



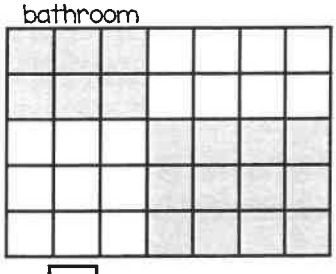
☐ = 1 square inch

5. The pattern on a rug is shaded below. What is the area of the shaded pattern?



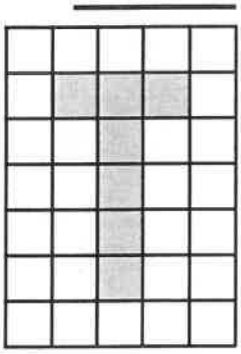
☐ = 1 square yard

6. Mr. Jones is putting tile on the floor of his bathroom and kitchen. What is the area of the floor he plans to cover with tile?



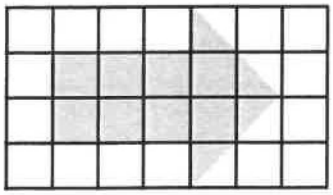
☐ = 1 square yard

7. What is the area of the shaded figure below?

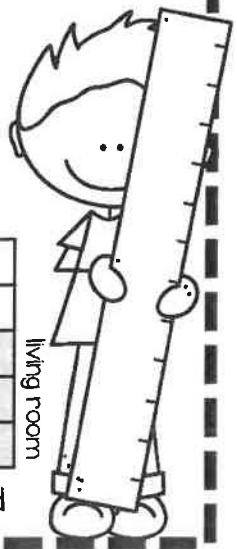


☐ = 1 square unit

8. What is the area of the shaded figure below?



☐ = 1 square unit



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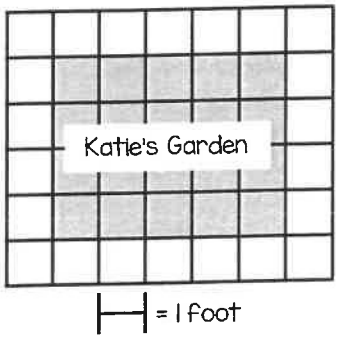
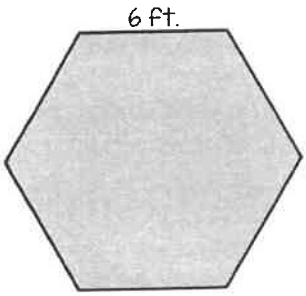
FIND THE PERIMETER

1. Katie wants to put fencing around the outside edge of her garden. To do this, she needs to know the perimeter. What is the perimeter of Katie's garden?



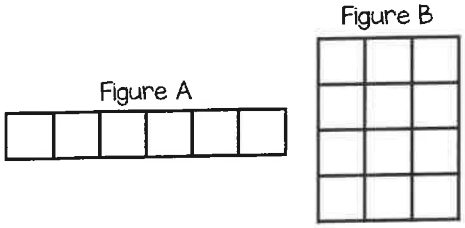
A. 10 feet
B. 18 feet
C. 20 feet
D. 24 feet

2. The picture below represents a patio that measures 6 ft. on each of its six sides. What is the perimeter of the patio?



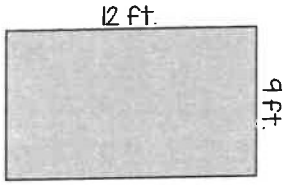
A. 6 feet
B. 12 feet
C. 36 feet
D. 42 feet

3. Ben compared the area and perimeter of the two figures below. Which statement is true?



A. The figures have the same area but different perimeters.
B. The figures have the same perimeter but different area.
C. The figures have the same perimeter and the same area.
D. The figures have different areas and different perimeters.

4. Mrs. Absher bought a rectangle rug for her living room. Which statement about the rug is true?

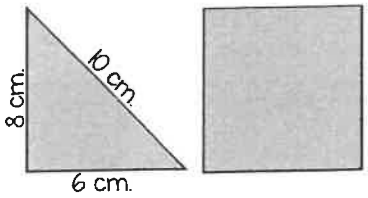


A. The perimeter is 108 feet.
B. The area is 42 feet.
C. The area and perimeter are the same.
D. The perimeter is 42 feet and the area is 108 feet.

5. Amy wants to sew a fringe border around her square shaped blanket. One side of her blanket measures 96 inches. How many inches of fringe border does she need?

_____

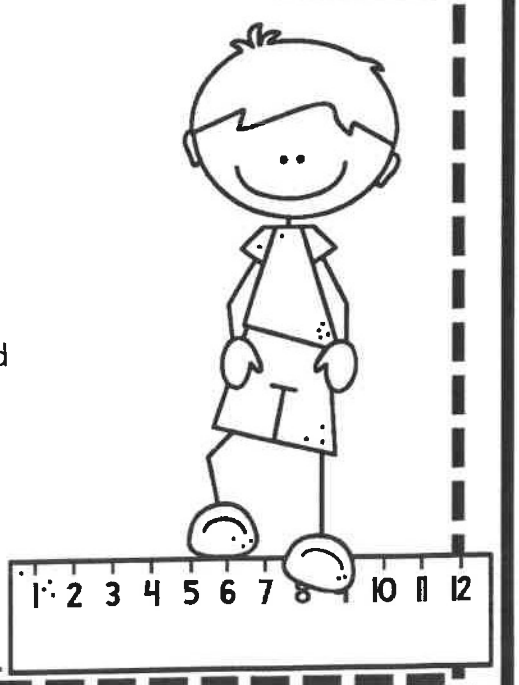
6. The square has the same perimeter as the triangle. What is the length of each side of the square?



A. 6 centimeters
B. 8 centimeters
C. 12 centimeters
D. 24 centimeters

7. Mattie is making a blanket for her mother that measures 54 inches by 68 inches. What is the perimeter of the blanket?

_____



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Identifying SHAPES

1. Which quadrilateral has only one pair of parallel sides and no right angles?

A.  B. 

C.  D. 

2. Hattie drew a shape that cannot be classified as a rhombus, rectangle, or parallelogram. Which shape did she draw?

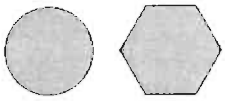
A.  B. 

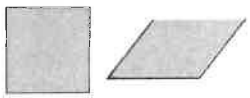
C.  D. 

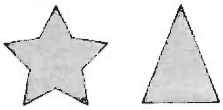
3. What is the difference between a square and a rhombus?

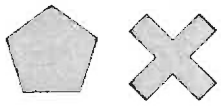
A. A rhombus has 4 obtuse angles.
B. A square has 4 equal sides.
C. A rhombus only has one pair of parallel sides.
D. A square has 4 right angles.

4. Which pair of polygons are parallelograms?

A. 

B. 

C. 

D. 

5. Which of the following statements about square and rectangles is correct?

A. A square is type of rectangle with 5 sides.
B. A square has 4 right angles, but a rectangle has 0 right angles.
C. A square is a type of rectangle with 4 equal sides.
D. A square has 2 pairs of parallel sides, but a rectangle only has 1 pair of parallel sides.

6. What is true about all quadrilaterals?

A. They have 4 right angles.
B. The have 1 pair of parallel sides.
C. They have 4 right angles.
D. They have 4 sides.

7. Tessa drew a quadrilateral with only one pair of equal sides. Which shape could she have drawn?

A. rectangle
B. rhombus
C. square
D. trapezoid

8. Which figure is described below?

- has 4 right angles
- has 4 congruent sides
- Has two sets of parallel sides

A. circle
B. rectangle
C. square
D. triangle

9. Ricky said the shape below is a quadrilateral. Which statement explains why he is incorrect?

A. A quadrilateral must have 4 sides.
B. A quadrilateral must have 2 sets of parallel sides.
C. A quadrilateral must have to acute angles and zero right angles.
D. A quadrilateral must 2 parallel sides and at least 1 right angle.

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