Dear Parents,

Welcome to St. Ursula School! We want to remind parents and students that learning is continuous and that the summer can be a great time to extend learning, as well as enjoy the outdoors and relax a bit. This summer, the students will have work assigned to them through a cumulative packet. The work will be composed of review and progressive work, which will keep their math skills fresh through the summer months to prepare them for the next grade level. Each packet has 20 pages.

You may print the packets out, the students can complete the packets electronically using Kami, or the work can all be completed neatly numbered on loose-leaf paper. The work will be graded. Please encourage students to spend time thinking about how to approach the problem and showing their work; calculators are not necessary to complete the problems. All students are required to turn the completed packet to school on the first day. Directions for turning the packet in electronically will be given to students on the first day of class by their new math teacher.

Students should be able to successfully complete the assignments by spending five minutes each day working on them (a total of 2.5 hours each month); this is an estimated time and will vary for each student. We are very excited to be able to offer this review for your children.

If there are any questions or concerns, feel free to contact us.

Sincerely,

Mrs. Hernandez mhernandez@stursula.org

Mrs. Lyons plyons@stursula.org

Mrs. Marinaro smarinaro@stursula.org

Mr. Petersam dpetersam@stursula.org

Name _____

Add Dollars and Cents

Find the sum.

1. 1 1 1 $58.36 + $ 5.87 $64.23	**2.** $7.96 + $3.08	**3.** $98.45 + $ 4.76	**4.** $14.66 + $30.76
5. $26.71 + $ 5.09	**6.** $30.25 + $27.42	**7.** $54.01 + $85.23	**8.** $42.49 + $30.73
9. $ 7.76 + $54.02	**10.** $21.06 + $63.48	**11.** $34.59 + $ 7.45	**12.** $53.97 + $60.00
13. $71.25 + $ 5.90	**14.** $40.39 + $17.25	**15.** $14.99 + $ 5.23	**16.** $22.85 + $40.25
17. $ 5.23 + $30.55	**18.** $43.32 + $86.85	**19.** $31.26 + $88.90	**20.** $83.77 + $60.35

Problem Solving REAL WORLD

21. The bill for tonight's dinner is $56.85. Mr. Asham adds a $10.50 tip. How much does Mr. Asham pay in all?

_____

22. Maria buys a video game for $25.99 and batteries for $7.30. What is the total cost for these two items?

_____

Name _____

Subtract Dollars and Cents

Find the difference.

1. $58.36 − $26.87 = $31.49 (12, 7 2 16)
2. $3.05 − $1.18
3. $9.43 − $7.08
4. $6.25 − $4.88
5. $15.20 − $ 9.47
6. $64.66 − $ 3.85
7. $80.00 − $ 9.99
8. $52.03 − $ 7.46
9. $73.18 − $18.42
10. $21.64 − $10.95
11. $48.57 − $20.69
12. $60.35 − $39.54
13. $91.32 − $ 8.79
14. $23.06 − $ 6.97
15. $58.30 − $ 9.41
16. $41.45 − $ 7.59
17. $34.20 − $18.15
18. $56.20 − $20.50
19. $43.17 − $30.09
20. $95.44 − $78.56

Problem Solving REAL WORLD

21. A soccer ball costs $17.99. Karla hands the cashier $20.00. How much change does she get back?

_____

22. Hal earned $56.50 dog sitting last month. Liz earned $87.00. How much more did Liz earn than Hal?

_____

Name _____

Order of Operations

Follow the order of operations to find the value of the expression. Show each step.

1. $3 + (18 \times 2) \div 3$

$3 + 36 \div 3$
$3 + 12$
15

2. $(20 - 8) \times 2$

_____

3. $(48 \div 6) + 5$

_____

4. $(9 \times 4) + 6$

_____

5. $(10 + 5) \times 9$

_____

6. $(40 \div 10) + 11$

_____

7. $5 + (21 \div 3) \times 5$

_____

8. $7 \times 4 + (15 \div 3)$

_____

9. $6 + (24 \div 8) - 3$

_____

10. $43 - 28 + (12 \div 2)$

_____

11. $(13 \times 2) - 2 - 5$

_____

12. $15 + 6 \times (8 \div 4)$

_____

Problem Solving REAL WORLD

13. Each carton has 12 eggs. There are 2 full cartons in the refrigerator. Margot uses 3 eggs to make a quiche. How many eggs are left?

_____

14. There are 6 rows in the parking lot. Each row has 12 parking spaces. At 9 o'clock the lot is full. An hour later, there are 15 empty spaces. How many cars are in the lot an hour later?

_____

Name _____

Divide by Multiples of Ten

Divide. Use a pattern to help.

1. $1{,}500 \div 30 =$ 50
   $15 \div 3 = 5$, so $150 \div 30 = 5$.
   $1{,}500 \div 30 = 50$
2. $2{,}000 \div 20 =$ _____
3. $4{,}000 \div 80 =$ _____
4. $6{,}000 \div 30 =$ _____
5. $9{,}000 \div 30 =$ _____
6. $8{,}000 \div 40 =$ _____
7. $1{,}000 \div 20 =$ _____
8. $3{,}500 \div 50 =$ _____
9. $8{,}100 \div 90 =$ _____
10. $6{,}400 \div 80 =$ _____
11. $2{,}400 \div 60 =$ _____
12. $6{,}000 \div 60 =$ _____
13. $2{,}100 \div 70 =$ _____
14. $5{,}400 \div 90 =$ _____
15. $2{,}700 \div 30 =$ _____

Problem Solving REAL WORLD

16. A food bank has 3,600 boxes of food. The boxes will be loaded equally onto 60 trucks. How many boxes of food will be on each truck?

_____

17. A stadium has a seating capacity of 8,000. Suppose it is divided into 20 equal sections. How many seats are in each section? **Explain**.

_____

_____

_____

_____

Name _____

Model Division with 2-Digit Divisors

Use base-ten blocks to divide.

1. $154 \div 11$

14

2. $48 \div 16$

3. $95 \div 19$

4. $288 \div 16$

5. $120 \div 15$

6. $140 \div 10$

7. $132 \div 12$

8. $204 \div 12$

9. $250 \div 10$

10. $154 \div 11$

11. $39 \div 13$

12. $165 \div 11$

Problem Solving REAL WORLD

13. A theater has 126 seats. The theater has 14 rows with the same number of seats in each row. How many seats are in each row?

14. Leila has $360 in twenty-dollar bills. How many twenty-dollar bills does she have?

Name _____

Place Value Through Millions

Read and write the number in two other forms.

1. 4,520,696

   four million, five hundred twenty thousand, six hundred ninety-six;

   4,000,000 + 500,000 + 20,000 + 600 + 90 + 6

2. thirty-one million, six thousand, one hundred fifty

3. 80,000,000 + 40,000 + 900 + 60

Write the value of the underlined digit.

4. $\underline{4}$,520,696 _____

5. $\underline{7}$9,241,043 _____

6. $\underline{2}$,138,824 _____

7. $\underline{6}$3,446,364 _____

Problem Solving REAL WORLD

8. During one decade, the total number of visitors to an annual arts festival was 84,303,912. Write 84,303,912 in standard form, word form, and expanded form.

9. In 2007, the population of the United States was estimated to be 31,139,947. Which place value does the underlined digit represent in this number?

Name _____

Decimals and Place Value

Read and write the decimal in two other forms.

1. 7.32
   seven and thirty-two hundredths; 7 + 0.3 + 0.02

2. two and six tenths
   _____
   _____

3. 20 + 5 + 0.8 + 0.01
   _____
   _____
   _____

4. 86.04
   _____
   _____
   _____

Write the value of the underlined digit.

5. 6.2<u>4</u>
   0.04

6. 3.<u>2</u>
   _____

7. <u>9</u>.07
   _____

8. 0.4<u>8</u>
   _____

9. <u>1</u>.65
   _____

10. 0.<u>9</u>
    _____

11. 5.1<u>3</u>
    _____

12. 10.<u>8</u>2
    _____

Problem Solving REAL WORLD

Use the table below for 13 and 14.

Three runners finished a foot race with the following times.

Foot Race Times

Runner	Time (in seconds)
Erika	15.46
Andre	14.89
Conner	15.08

13. Which runner finished the race with a time that has the digit 8 in the hundredths place?
    _____

14. What is Erika's time written in expanded form?
    _____

Name _____

Round Decimals

Round to the nearest dollar or to the nearest whole number.

1. $3.18	**2.** 4.7	**3.** $7.02	**4.** 8.55
_____	_____	_____	_____
5. $1.89	**6.** 0.2	**7.** $0.75	**8.** 9.09
_____	_____	_____	_____
9. $9.51	**10.** 1.01	**11.** $8.49	**12.** 6.35
_____	_____	_____	_____
13. $0.85	**14.** 5.9	**15.** $1.05	**16.** 4.5
_____	_____	_____	_____
17. $4.15	**18.** 3.65	**19.** $1.99	**20.** 5.52
_____	_____	_____	_____

Problem Solving REAL WORLD

21. Camden spends $18.25 at the driving range. How much money did Camden spend, rounded to the nearest dollar?

_____

22. Jolie bought 3.75 pounds of turkey at the deli. About how many pounds of turkey did Jolie buy?

_____

Name _____

Place Value to Compare Decimals

Compare the decimals. Write <, >, or =.

1. 2.12 ◯ 2.2
2. 2.6 ◯ 2.64
3. 2.08 ◯ 2.8
4. 2.73 ◯ 2.77
5. 2.4 ◯ 2.40
6. 2.89 ◯ 2.876
7. 2.98 ◯ 2.09
8. 2.57 ◯ 2.75
9. 0.38 ◯ 0.34
10. 46.2 ◯ 46.20
11. 0.8 ◯ 0.88
12. 25.09 ◯ 25.48

Use a place-value chart to order the decimals from least to greatest.

13. 0.41, 0.49, 0.45

_____

_____

14. 8.95, 8.98, 8.9

_____

_____

15. 2.7, 2.77, 2.07

_____

_____

16. 1.23, 1.27, 1.25

_____

_____

17. 9.9, 9.99, 9.94

_____

_____

18. 3.4, 3.04, 3.44

_____

_____

Problem Solving REAL WORLD

19. Veronica drank 0.5 liter of water. Hector drank 0.3 liter of water. Who drank less water?

_____

20. Abby spent $6.36 on her lunch and Colby spent $6.63 on his lunch. Who spent less money on lunch—Abby or Colby?

_____

Name _____

Decompose Multiples of 10, 100, 1,000

Decompose each number.

1. $60 =$ _____
2. $30 =$ _____
3. $570 =$ _____
4. $900 =$ _____
5. $4{,}000 =$ _____
6. $2{,}800 =$ _____
7. $730 =$ _____
8. $1{,}700 =$ _____
9. $2{,}000 =$ _____

Correct the error. Write the correct decomposition.

10. $980 = 98 \times 100$

    _____

11. $1{,}700 = 17 \times 1{,}000$

    _____

12. $8{,}000 = 80 \times 100$

    _____

13. $700 = 70 \times 100$

    _____

14. $6{,}400 = 64 \times 1{,}000$

    _____

15. $5{,}000 = 50 \times 1{,}000$

    _____

16. $920 = 92 \times 100$

    _____

17. $7{,}700 = 77 \times 1{,}000$

    _____

18. $280 = 28 \times 100$

    _____

Problem Solving REAL WORLD

19. There are 240 students in the middle-school band. The band director is dividing the students into groups of 10. Into how many groups will the band director divide the students?

    _____

Name _____

Number Patterns

Describe the pattern. Then find the next two numbers in the pattern.

1. 4, 12, 36, 108, 324, 972
   Multiply by 3.

2. 14, 28, 56, 112, _____, _____
   _____

3. 2, 8, 32, 128, _____, _____
   _____

4. 1, 5, 25, 125, _____, _____
   _____

Determine the pattern and use it to fill in the blanks.

5. 1, 6, 36, _____, 1,296

6. 2, 6, _____, 54, _____

7. 3, _____, 48, _____, 768

8. _____, _____, 36, 108, 324

9. _____, 2, 4, 8, _____

10. 5, 20, _____, 320, _____

Problem Solving REAL WORLD

11. Pippen works at an aquarium. Each month, she counts the number of fish in one of the aquariums. She records the total number of fish in the table below. If the pattern continues, how many fish will be in the aquarium in Months 6 and 7?

Month	1	2	3	4	5
Number of Fish	4	8	16	32	64

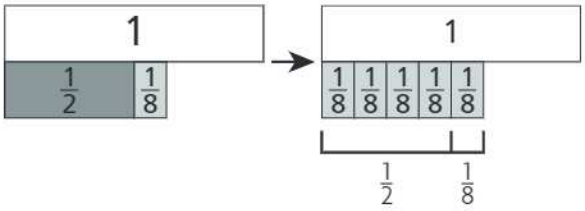
_____

Name _____

Add Related Fractions

Add. Use fraction strips to help.

1. $\frac{1}{2} + \frac{1}{8} =$ $\frac{5}{8}$



2. $\frac{1}{3} + \frac{2}{9} =$ _____

3. $\frac{2}{10} + \frac{1}{5} =$ _____

4. $\frac{2}{3} + \frac{1}{6} =$ _____

5. $\frac{2}{8} + \frac{1}{4} =$ _____

6. $\frac{4}{12} + \frac{2}{3} =$ _____

7. $\frac{4}{10} + \frac{1}{2} =$ _____

8. $\frac{1}{2} + \frac{3}{6} =$ _____

Problem Solving REAL WORLD

9. The Lin family bought a dozen bagels. They ate $\frac{1}{4}$ of the bagels today and $\frac{5}{12}$ of the bagels yesterday. What fraction of the bagels did they eat in all? Explain how you found your answer.

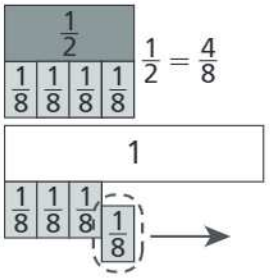
10. The Smith family ate $\frac{3}{5}$ of a pizza for dinner and $\frac{2}{10}$ of the pizza for lunch the next day. How much of the pizza did they eat in all? Explain how you found your answer.

Name _____

Subtract Related Fractions

Subtract. Use fraction strips to help.

1. $\frac{1}{2} - \frac{1}{8} = \frac{3}{8}$



2. $\frac{5}{6} - \frac{1}{3} =$ _____

3. $1 - \frac{3}{5} =$ _____

4. $\frac{3}{4} - \frac{3}{12} =$ _____

5. $\frac{3}{5} - \frac{2}{10} =$ _____

6. $\frac{7}{8} - \frac{2}{4} =$ _____

7. $\frac{4}{6} - \frac{2}{3} =$ _____

8. $1 - \frac{2}{3} =$ _____

Problem Solving REAL WORLD

9. Fabia buys $\frac{5}{8}$ pound of red grapes and $\frac{1}{4}$ pound of green grapes. How many more pounds of red grapes does she buy? Explain how you found your answer.

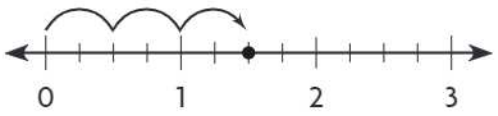
10. Geraldo has $\frac{9}{12}$ mile left to hike to reach the end of the trail. He hikes $\frac{2}{3}$ mile. What fraction of a mile does he have left to hike? Explain how you found your answer.

Name _____

Compare Fraction Products

Complete each statement with *greater than* or *less than*.

1. $\frac{2}{4} \times 3$ will be less than 3.



2. $\frac{3}{8} \times 2$ will be _____ $\frac{3}{8}$.

3. $4 \times \frac{5}{6}$ will be _____ $\frac{5}{6}$.

4. $2 \times \frac{1}{4}$ will be _____ 2.

5. $3 \times \frac{4}{9}$ will be _____ $\frac{4}{9}$.

6. $\frac{7}{10} \times 2$ will be _____ $\frac{7}{10}$.

7. $3 \times \frac{3}{5}$ will be _____ 3.

8. $5 \times \frac{2}{3}$ will be _____ $\frac{2}{3}$.

Problem Solving REAL WORLD

9. Jen is making 3 loaves of banana bread. She needs $\frac{3}{4}$ cup sugar for each loaf. Will she need more or less than 3 cups of sugar to make all 3 loaves? Explain.

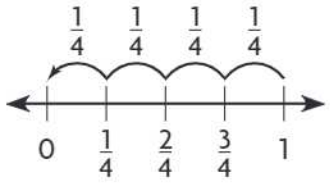
10. Tafua exercises for $\frac{5}{6}$ hour every day. After 2 days, will Tafua have exercised for less than or more than $\frac{5}{6}$ hour? Explain.

Name _____

Repeated Subtraction with Fractions

Use repeated subtraction to divide.

1. $1 \div \frac{1}{4}$



_____

2. $2 \div \frac{1}{8}$

_____

3. $4 \div \frac{1}{2}$

_____

4. $3 \div \frac{1}{3}$

_____

5. $3 \div \frac{1}{5}$

_____

6. $2 \div \frac{1}{6}$

_____

7. $6 \div \frac{1}{2}$

_____

8. $4 \div \frac{1}{4}$

_____

Problem Solving REAL WORLD

9. Harold has 4 cups of trail mix. He wants to give $\frac{1}{3}$ cup trail mix to each camper in his group. There are 8 campers in his group. Does he have enough trail mix for all the campers? Explain.

10. Marita is cutting rolls of ribbon that are 3 feet long into $\frac{1}{2}$-foot pieces. She needs fifteen $\frac{1}{2}$-foot pieces for a project. She has 3 rolls of ribbon. Does she have enough to cut 15 pieces? Explain.

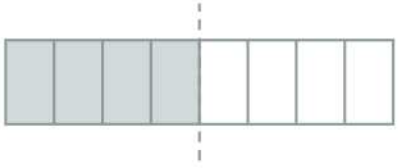
Name _____

Fractions and Division

Write the division problem as a fraction. Write each fraction greater than 1 as a whole number or mixed number.

1. $8 \div 2$

$\frac{8}{2}$, 4



2. $10 \div 2$

3. $6 \div 5$

4. $9 \div 6$

5. $2 \div 5$

6. $2 \div 8$

7. $24 \div 6$

8. $9 \div 1$

9. $15 \div 2$

Problem Solving REAL WORLD

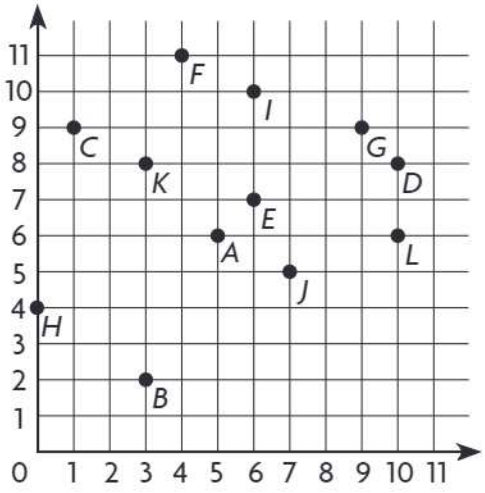
10. There are 13 bagels in a baker's dozen. Hillary, Mark, and Tam share the bagels equally. Will each friend get more than or fewer than 4 whole bagels? **Explain**.

Name _____

Locate Points on a Grid

Use the grid for 1–12.

Write the ordered pair for each point.



1. *A* (5, 6)

2. *B* _____

3. *C* _____

4. *D* _____

5. *E* _____

6. *F* _____

Write the point for each ordered pair.

7. (9, 9) _____

8. (0, 4) _____

9. (6, 10) _____

10. (7, 5) _____

11. (3, 8) _____

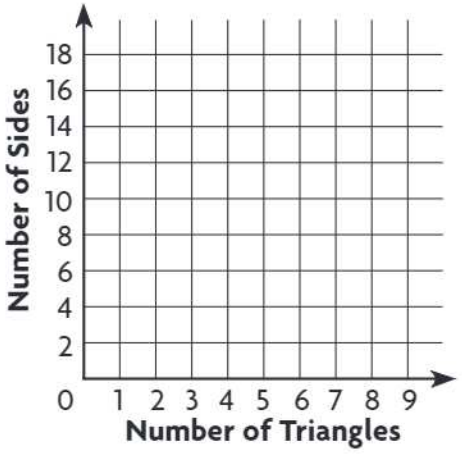
12. (10, 6) _____

Problem Solving REAL WORLD

There are 3 sides in a triangle. Complete the table. Write ordered pairs from the table. Then graph the ordered pairs on the grid.

13.

Number of Triangles	1	2		4
Number of Sides	3		9	

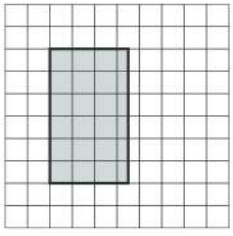


Name _____

Area and Tiling

Find the area of the shaded shape. Write the area in square units.

1.



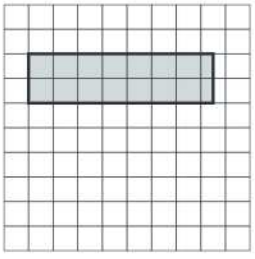
1 square = 4 square inches

Area of the half squares:
6 half squares × 2 square inches = 12 square inches

Area of the whole squares:
18 whole squares × 4 square inches = 72 square inches

Total area: 12 + 72 = 84 square inches

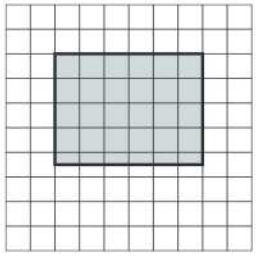
2.



1 square = 4 square meters

_____

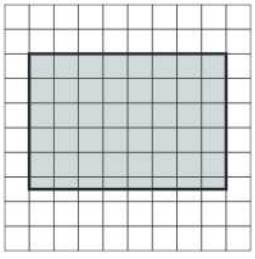
3.



1 square = 4 square miles

_____

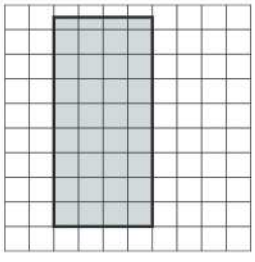
4.



1 square = 16 square feet

_____

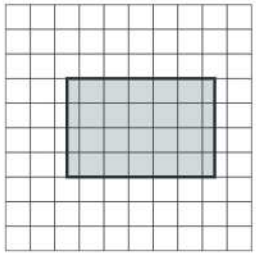
5.



1 square = 25 square yards

_____

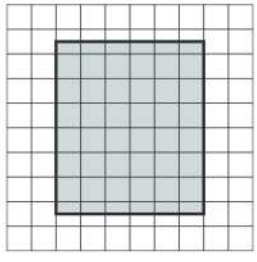
6.



1 square = 9 square inches

_____

7.



1 square = 16 square miles

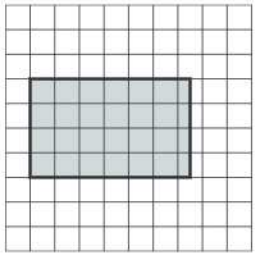
_____

Problem Solving REAL WORLD

8. A deck is in the shape of a rectangle. What is the area of the deck if each square shown in the diagram is 9 square feet? Explain how you found the area.

_____

_____



1 square = 9 square feet

Name _____

Multiply Three Factors

Find each product.

1. $6 \times (4 \times 17)$

$6 \times (4 \times 17) = (\underline{6} \times \underline{4}) \times \underline{17}$

$= \underline{24} \times \underline{17}$

$= \underline{408}$

$$\begin{array}{r} {\scriptstyle 1\ \ \ } \\ {\scriptstyle 2\ \ \ } \\ 17 \\ \times\ 24 \\ \hline {\scriptstyle 1}68 \\ +340 \\ \hline 408 \end{array}$$

2. $(28 \times 8) \times 3 =$ _____

3. $(13 \times 9) \times 4 =$ _____

4. $(6 \times 26) \times 3 =$ _____

5. $6 \times (15 \times 7) =$ _____

6. $2 \times (8 \times 18) =$ _____

7. $(4 \times 21) \times 4 =$ _____

8. $8 \times (4 \times 33) =$ _____

9. $3 \times (44 \times 6) =$ _____

10. $(36 \times 9) \times 5 =$ _____

Problem Solving REAL WORLD

11. There are 9 rows of 28 chairs set up for a play. A ticket to the play costs $4. How much money will be made on ticket sales if all the seats are sold for the play?

_____

12. Three families are sharing the cost of renting a canoe for 7 days. The cost for each family is $14 per day. What is the total cost of renting the canoe for 7 days from the rental shop?

_____

Name _____

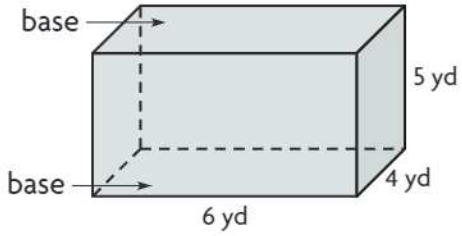
Find Area of the Base

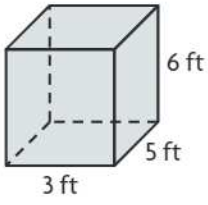
Find the area of the base of the rectangular prism.

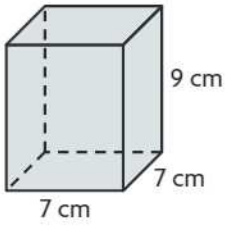
1. $A = l \times w$

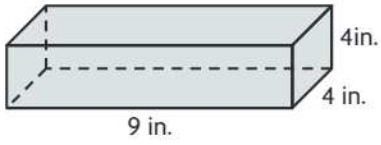
   $A = \underline{6} \times \underline{4}$

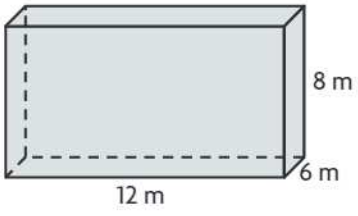
   $A = \underline{24 \text{ square yards}}$

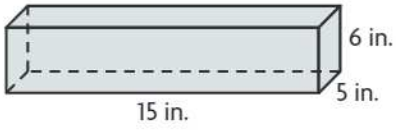


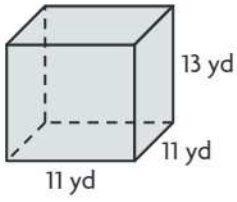
2. 

3. 

4. 

5. 

6. 

7. 

Problem Solving REAL WORLD

8. Mr. Patell is packing square tiles in the box shown without gaps or overlaps. Each tile lies flat and measures 1 inch on a side. Mr. Patell says he can fit 64 tiles in the bottom layer. Is he correct? Explain.