

Fourth Grade

Color Math

Workbook Samples

Workbook ISBN 97815926932446

McRuffy Fourth Grade Color Math Curriculum ISBN 9781592692484

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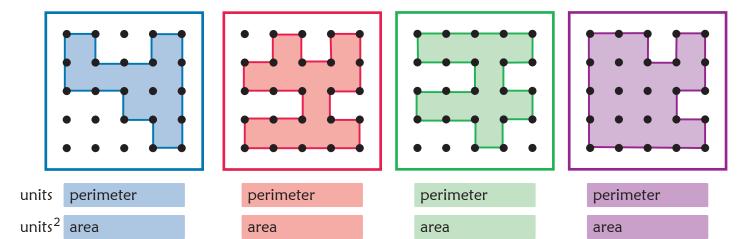
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Solve the problems.

Make the designs on geoboards. Write the area and perimeter of each design.



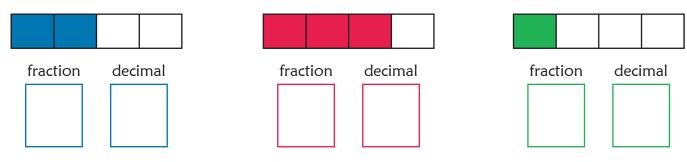
Fractions: fourths

To write the fraction $\frac{1}{4}$ as a decimal, write 0.25



4 quarters = 1 dollar. A quarter is $\frac{1}{4}$ of a dollar. A quarter can be written as a decimal \$0.25 dollar.

Write a fraction and decimal for the colored part of each bar.



Rounding to the nearest 1000: Look at the digit in the hundreds place. If it is less than 5 round down. If it is 5 or greater, round up.



4237 rounds to 4000 4500 rounds to 5000 4896 rounds to 5000

Round these numbers to the nearest 1000.



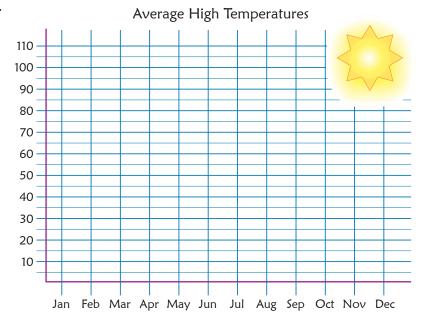
Lesson 18

Solve the problems.

Plot the data in the table on the line graph.

Average High Temperatures

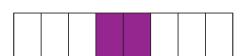
Jan	38	Jul	90	
Feb	44	Aug	89	
Mar	56	Sep	80	
Apr	67	Oct	69	
May	76	Νον	53	
Jun	86	Dec	42	



Fractions: eighths

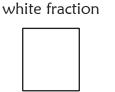
To write the fraction $\frac{1}{8}$ as a decimal, write 0.125 Write a decimal for each of the eighths.

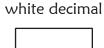
Write a fraction and decimal for the color and white parts of each bar.











color fraction



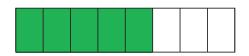


















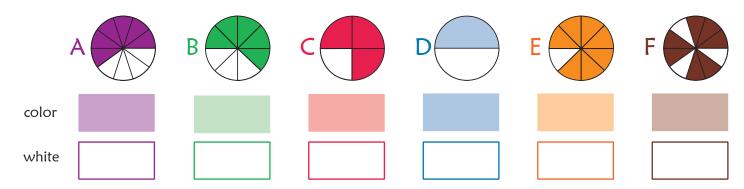


Solve the problems.

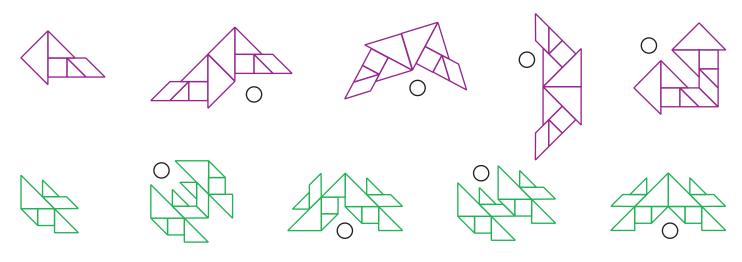
Fractions: halves

To write the fraction $\frac{1}{2}$ as a decimal, write 0.5

Write decimals for the color and white parts of the circles.



Look at the first design in each row. Which designs show flips of the first design? Fill in the circles to mark your answers. There may be more than one answer. Mark all the flips. Use tangrams to find and test your answers. Find another flip for each design using tangrams.



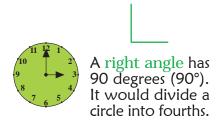
Round these numbers to the nearest 1000.

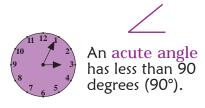


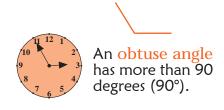
Solve the problems.

Angles

Angles are measured in degrees. A full circle has 360 degrees. Think of the hands on a clock. In an hour, the minute hand travels 360 degrees.







Round these numbers to the nearest ten thousand.

Use fraction pieces to find fractions equal to the twelfths.

$$\frac{3}{12} = \frac{}{4}$$

$$\frac{8}{12} = \frac{}{3}$$

$$\frac{6}{12} = \frac{8}{8}$$

$$\frac{3}{12} = \frac{8}{12} = \frac{8}{3} = \frac{6}{12} = \frac{6}{12} = \frac{6}{12}$$

What is the perimeter and area of the fences represented by the rectangles?

Area and perimeter of rectangles:

 $P = 2 \times (1 + w)$

 $A = I \times W$

Can rectangles have equal perimeters but different areas?

 \bigcirc no

Lesson 60

Solve the problems.

Solve the problems.

Fill in >, <, or = to make the statements true. Use the fraction overlay sheet and board.

$$\frac{2}{3} \bigcirc \frac{8}{12}$$

$$\frac{3}{4}$$
 \bigcirc $\frac{3}{5}$

$$\frac{6}{7}$$
 \bigcirc $\frac{6}{9}$

$$\frac{10}{16} \bigcirc \frac{10}{10}$$

$$\frac{4}{6}$$
 \bigcirc $\frac{6}{9}$

$$\frac{8}{16} \bigcirc \frac{5}{10}$$

$$\frac{15}{16} \bigcirc \frac{7}{8}$$

$$\frac{3}{10}$$
 $\frac{1}{3}$

$$\frac{2}{5}$$
 $\frac{2}{4}$

$$\frac{6}{7}$$
 \bigcirc $\frac{5}{6}$

Match the terms to the pictures.

_____ Ray

_____Obtuse Angle







_____ Diameter

_____Line segment

D •—





_____ Acute angle

_____ Right Angle

G .





_____Point

_____Line

_____ Radius

Lesson 69

Division with remainders: solve the problems.

Calculate the sums of the times.





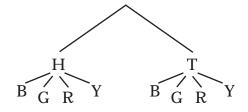
Probability tree: The probability tree shows the possible outcomes of a coin flip and drawing four counters. Answer the questions below. Write fractions to show the probability.



What is the probability for drawing a blue or green counter? _____

What is the fraction for all the tails outcomes? _____

What is the probability of having both heads and yellow?



What is the probability of not drawing red? _____

Read the stories. Write the math problem and answers in the space below. You may need to work the problem on another piece of paper.

Nine people picked 892 strawberries. If they had all picked the same amount, how many should each person have picked?

One person picked a few more. How many more did that person pick?

If they packed the same number of strawberries into five baskets, how many strawberries were in each basket?

How many were left over?

Turn the fraction into a division problem to find its decimal equivalent. Solve for up to 3 decimal places.

$$\frac{3}{7}$$
 7) 3.00

$$\frac{3}{7}$$
 7) 3.00 $\frac{11}{14}$

Use the distributive property to help do mental math. Write only the last addition step and solve the problems. Example: $4 \times 78 = 280 + 32 = 312$

Fill in the circles in front of the numbers that are divisible by 7.

- O 576
- \bigcirc 1,036
- \bigcirc 6,538
- O 5,481
- \bigcirc 17,779

What numbers are divisible by 2, 3, 4, 5, 6, 8, 9, 10? Fill in all the ovals to mark your answers. Draw a line through the number if it is not divisible by any of the numbers.

2,160	O2	O3	Ο4	O5	06	08	O9	O10
1,305	O ₂	O3	04	O ₅	06	08	09	O ₁₀
9,392	O ₂	O3	04	O ₅	06	08	09	O ₁₀
4,329	O ₂	O3	O4	O ₅	06	08	09	O ₁₀
5 340	Ω_2	O3	\bigcirc 4	O ₅	O_6	Og	09	O ₁₀

Read the schedule to answer the questions.

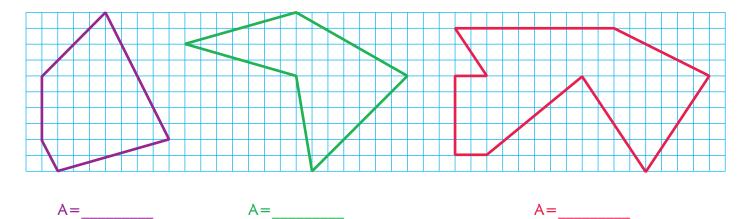
- 1. Joe arrived at 9:15. What subject did he miss?
- 2. How much time was spent in recess?
- 3. Was more time spent in reading or language?
- 4. Was more time spent in music or science?
- 5. How long was lunch? _____
- 6. How much time was allowed for computer lab?
- 7. At what time does recess end?_____
- 8. How much time was allowed for math?
- 9. What time does school end?
- 10. What is the class studying at 12:50?

School Schedule:

- 8:25 Arrive seat work
- 8:40 Spelling
- 9:10 Reading
- 10:10 Language
- 10:45 Recess
- 11:05 Math
- 12:05 Lunch
- 12:35 Social Studies
 - 1:00 Music
 - 1:35 Computer Lab
- 2:15 Science
- 3:00 Clean-up/ Pack-up
- 3:15 Dismiss

Division: Find the quotients and remainders.

Find the area of the shapes. Write the answers on the lines.



A group of children were tossing beanbags on targets that looked like the ones below. Categorize the probabilities for the outcomes for each time bags landed on a target. Abbreviate Im, Un, Eq, Li, Ce.













The probability of a toss landing on:

- 1. the blue section of target D _____
- 3. the purple section of target A _____
- 5. the green section of target E _____
- 2. the red section of target D _____
- 4. the blue section of target B _____
- 6. the orange section of target A _____