Advanced Complete MathSmart

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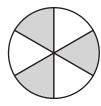
Fractions and Decimals

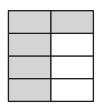
solving a variety of word problems that involve fractions and decimals



Math Skills

① Write fractions for the shaded parts.







Colour to show each fraction or decimal. Then put them in order.

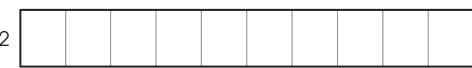


8.0





0.2



Least to **Greatest**









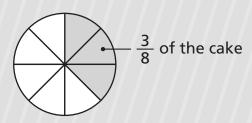


TryThis!

A cake was divided into 8 equal pieces. Kayla ate $\frac{3}{8}$ of the cake. How many pieces did she eat?

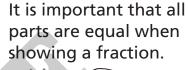
Solution:

Step 1: Draw a diagram to show the fraction.



Step 2: Write a concluding sentence.

Kayla ate pieces.





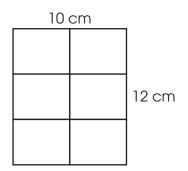
- ① Refer to the question above. Kayla's sister, Karen, ate $\frac{1}{8}$ of the cake.
 - a. How many pieces did Karen eat?

Karen ate _____ piece(s).

b. Kayla's brother, Kyle, ate $\frac{4}{8}$ of the cake. Which child ate the most pieces of cake?

_____ ate the most pieces of cake.

① Amanda places 6 cards of the same size on a scrapbook page that measures 12 cm by 10 cm. What is the perimeter of 1 card?



Length of 1 card: 10 ÷ ____ = ___

Width of 1 card: 12 ÷ ____ = ___

Perimeter: ____ + ___ + ___ = ___

The perimeter of 1 card is ______.

At Lakeview Public School, classes start at 9:00 and finish at 3:00. Of that time, $\frac{5}{6}$ of it is spent in class and the rest is for recess. How many minutes of recess do the students at Lakeview Public School get each day?



How many hours are there from 9:00 to 3:00?

Perry has to complete 2 sheets that each have 5 math questions. It takes him 3 minutes to complete 1 question. If he starts at 12:45, what time will he finish all of the math questions?

Topics covered:

Question 1

division

Question 2

- fractions
- time

Question 3

- multiplication
- time

perimeter

Cassidy has 2 L of water. Meredith has 1875 mL. Who has more water and by how many more millilitres?

Mr. Collins's backyard is 8 m in length and 6 m in width. His inflated pool is $\frac{1}{4}$ of the length and $\frac{1}{2}$ of the width of his backyard. What is the perimeter of his pool?

⑤ Jake saves 1 loonie and 2 quarters each week. How much money will he have in 21 days?



27 L of cranberry juice is divided equally into 9 bottles. How many millilitres of juice is there in 2 bottles?

Topics covered: Question 4 Question 5 Question 6 Question 7 • subtraction • fractions • division • addition • capacity • perimeter • money • division • time • capacity