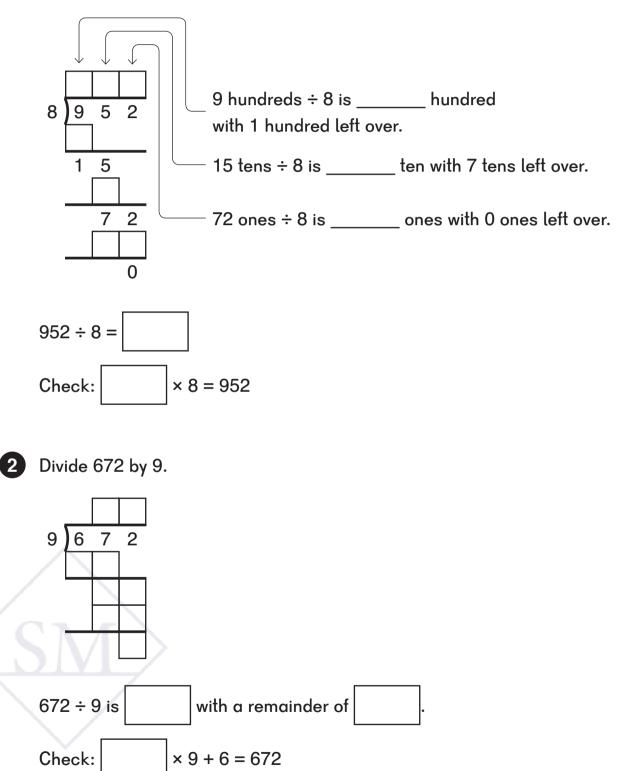
Basics



Divide 952 by 8.



Practice



3 Divide.

The sum of the remainders should equal the product of 9 and 2.

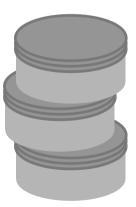
972 ÷ 8	473 ÷ 9	555 ÷ 9	683 ÷ 8

4 A rope is 458 m long. It is cut into pieces that are each 8 m long. How many pieces are there? How long is the leftover piece?





A baker made 250 cookies and gave away 34 of them. She put the rest equally into 9 tins. How many cookies are in each tin?

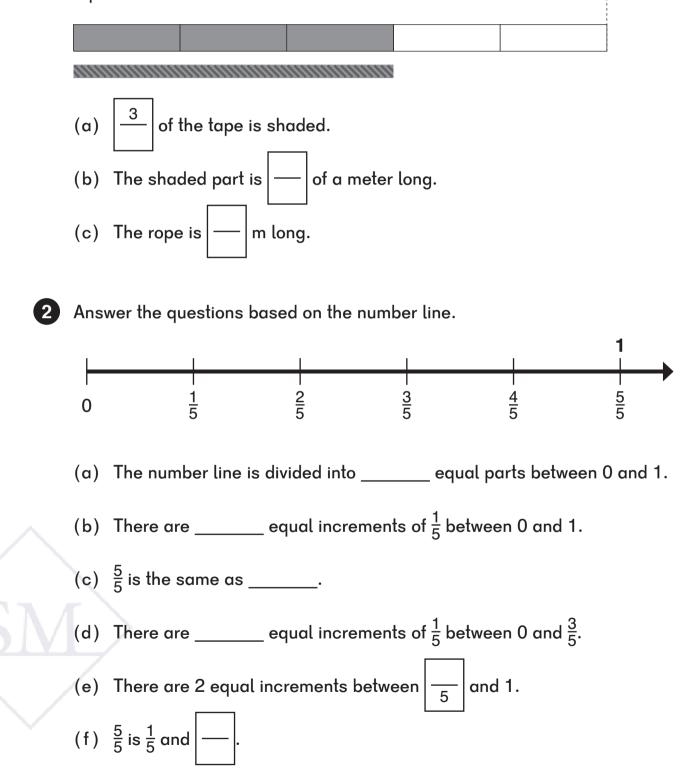


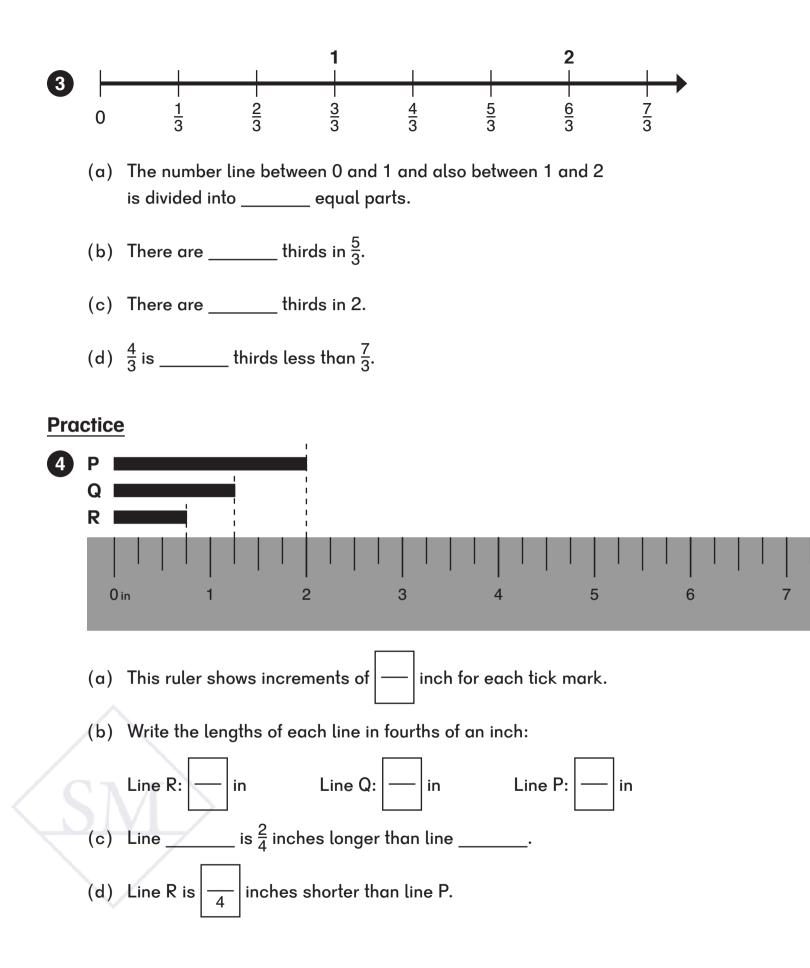
Basics



A one-meter tape has been divided into 5 equal parts. 3 parts are shaded.

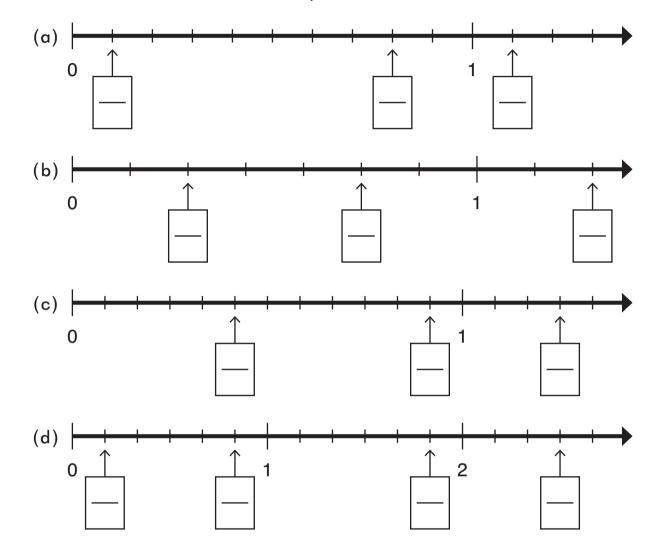
1 m





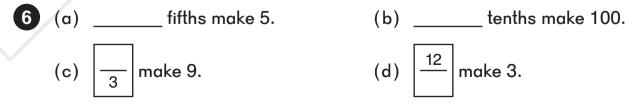


5 Label the numbers marked with arrows on each number line. Use those fractions to answer the questions below.



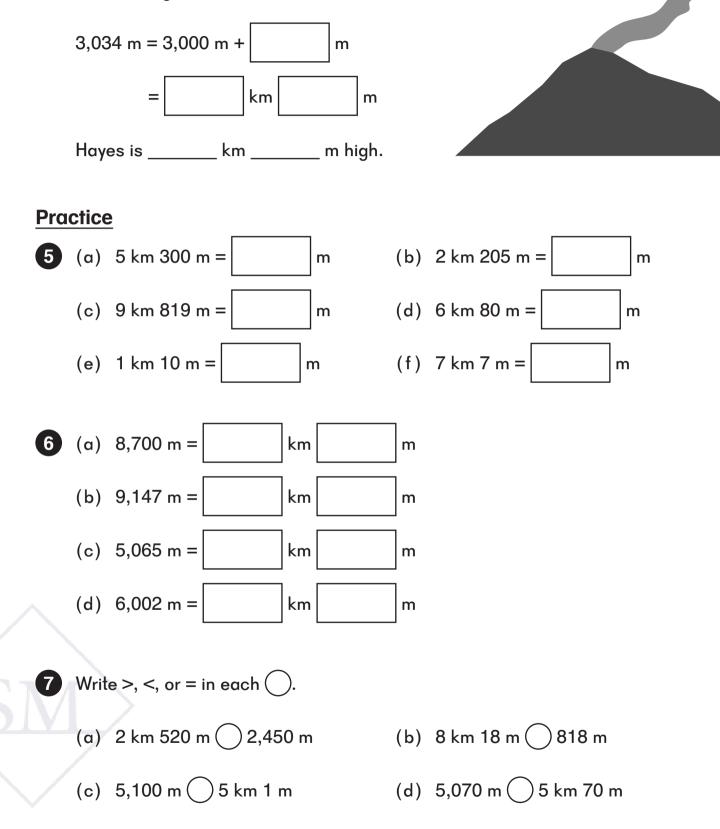
- (e) List the fractions from problems (a) through (d) that are less than 1.
- (f) List the fractions from problems (a) through (d) that are between 1 and 2.

Challenge



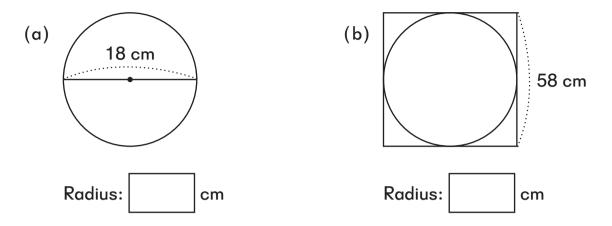


The Hayes Volcano in Alaska has a height of 3,034 m above sea level. Find its height in kilometers and meters.

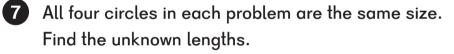


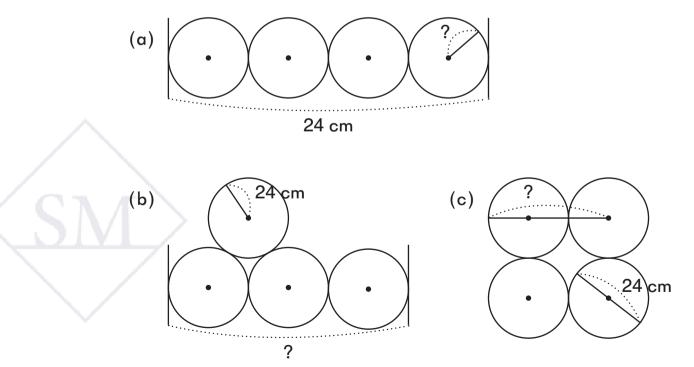


How long is the radius of the each circle?



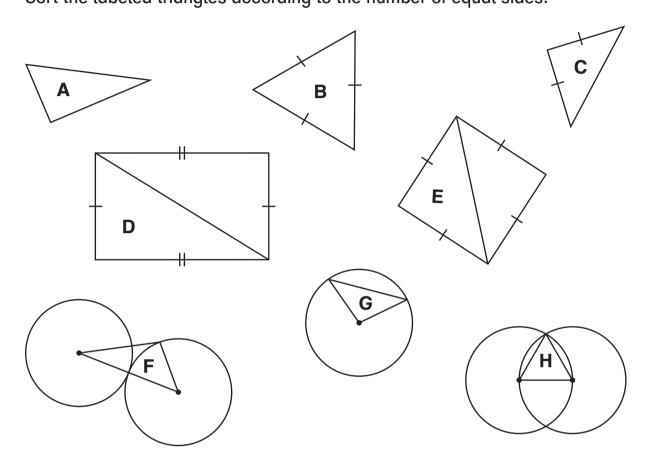
6 A quarter-circle has a straight side of 18 cm. How long is the diameter of the circle?





Practice

In each figure, sides with the same number of hash marks are equal in length, and all the circles have the same length radii. Sort the labeled triangles according to the number of equal sides.



3 equal sides	Exactly 2 equal sides	0 equal sides

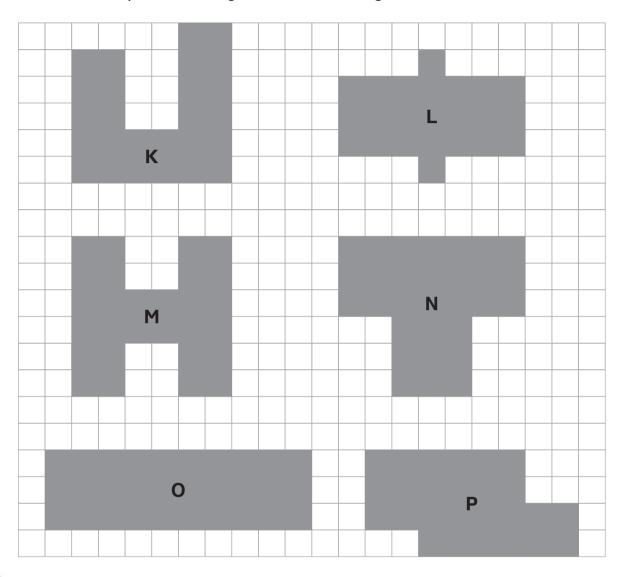
Challenge

- 3 Is it possible to draw a triangle that has sides of the following measurements? Write "yes" or "no" next to each set of measurements.
 - (a) 5 cm, 4 cm, 11 cm (b) 2 cm, 6 cm, 5 cm
 - (c) 11 cm, 6 cm, 7 cm (d) 8 cm, 3 cm, 5 cm

Basics



Each small square on the grid has a side length of 1 unit.



(a) Which figures have the same area and different perimeters?

(b) Which figures have the same perimeter but different areas?

(c) Which figures have the same area and perimeter?

Practice

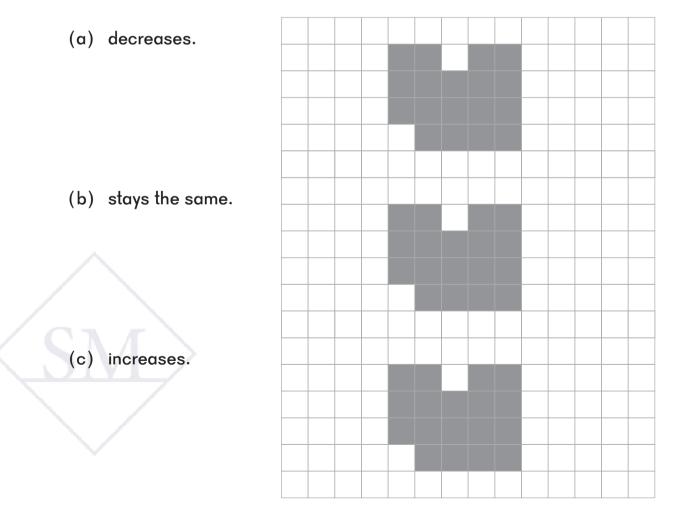


2 Use the grid to draw three different rectangles with perimeters of 16 units. Write the area of each figure.

Which figure has the smallest area?



3 Shade one square so that the area of the figure is increased by 1 square unit, but the perimeter...





4 Draw another figure that has...

(a) the same area and perimeter.

(b) a greater perimeter but smaller area.

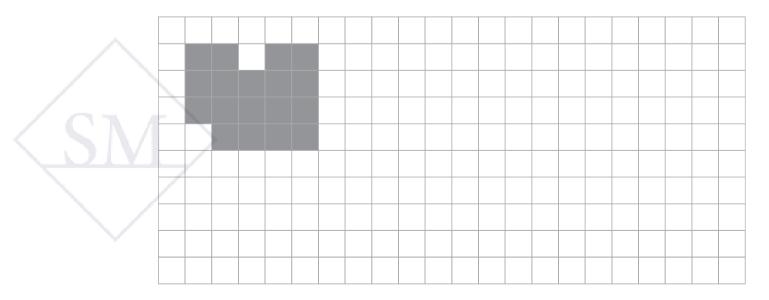


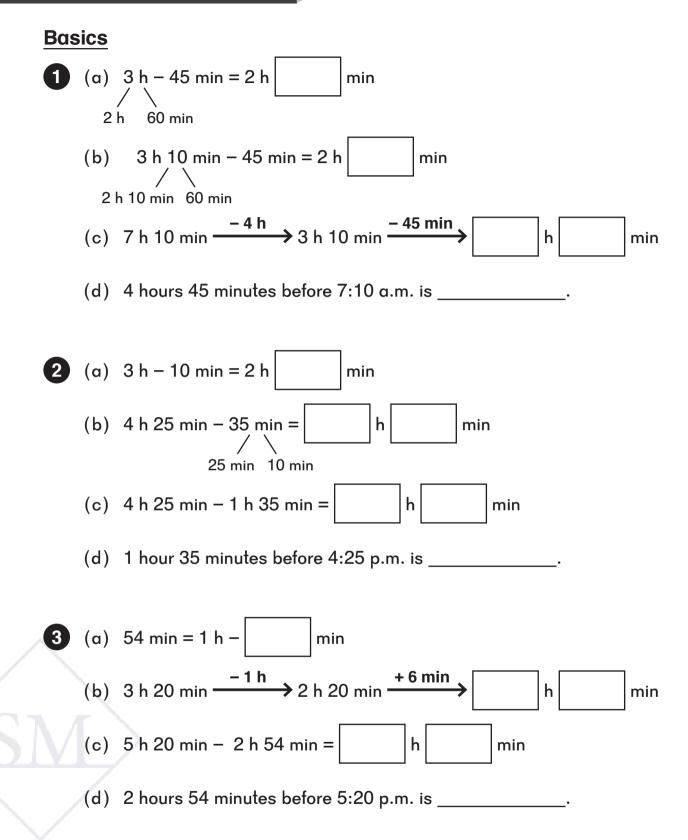
Challenge



5 Draw a rectangle with the largest possible perimeter that has a smaller area than the given figure.

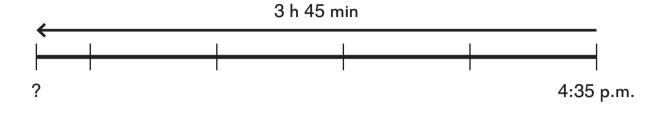
The sides of the rectangle must be whole numbers of units.







8 Mia spent 3 hours 45 minutes at a park. She left the park at 4:35 p.m. What time did she get to the park?



9 Megan exercised for 1 hour 25 minutes on Monday. She exercised for 2 hours 15 minutes on Wednesday. How much longer did she exercise on Wednesday than on Monday?



10 Arman spent 5 hours 15 minutes at the lake. He spent 35 minutes having a picnic, 1 hour 20 minutes swimming, and the rest of the time fishing. How much time did he spend fishing?

Basics

1

A pair of pants costs \$34.65. A shirt costs \$12.80 less than the pants. A jacket costs \$20.60 more than the shirt. How much do the three items cost altogether?





3 identical shirts cost \$45.

A dress costs \$5.20 more than a shirt.

How much do 5 shirts and 1 dress cost altogether?

