



Short division—chilli challenge

Create three calculations where a 2-digit number is divided by a 1-digit number to make the following statements true.

- The answer to calculation B is double the answer to calculation A.
- The answer to calculation C is less than calculation B but greater than calculation A.

A.	B.	C.
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Complete the calculations and match the following statements.



Nick

My answer is an even number.



Leila

My answer is less than 12.



Patsy

My calculation creates a number with the digit sum of 4.

<input type="text"/> 9 ÷ 9 = 1 <input type="text"/>	91 ÷ 7 = <input type="text"/>	<input type="text"/> 4 ÷ 6 = 1 <input type="text"/>
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w/c 7.3.22—Session 1

Short division—symbol challenge



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# Short division

1. Solve the division calculations below.

$$\begin{array}{r} \text{T} \quad | \quad 0 \\ 6 \overline{) 84} \end{array}$$

$$\begin{array}{r} \text{T} \quad | \quad 0 \\ 5 \overline{) 75} \end{array}$$

$$\begin{array}{r} \text{T} \quad | \quad 0 \\ 3 \overline{) 48} \end{array}$$

$$\begin{array}{r} \text{H} \quad | \quad \text{T} \quad | \quad \text{O} \\ 3 \overline{) 711} \end{array}$$

$$\begin{array}{r} \text{H} \quad | \quad \text{T} \quad | \quad \text{O} \\ 6 \overline{) 834} \end{array}$$

$$\begin{array}{r} \text{H} \quad | \quad \text{T} \quad | \quad \text{O} \\ 4 \overline{) 524} \end{array}$$

2. Complete the division calculations below using short division.

1.  $72 \div 3 =$

2.  $96 \div 4 =$

3.  $531 \div 3 =$

4.  $945 \div 7 =$



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w/c 7.3.22—Session 1

Short division—carpet group challenge

1. A half-term hockey camp had 81 children attend. They needed to be split into 3 groups. How many children were in each group?
2. George has made 4 cakes. He has 447g of icing that he wants to split equally between the cakes. How much icing will he have for each cake?
3. A school has received a delivery of 84 new reading books. They want to make sure that each class has an equal number of books. There are 6 classes, how many books does each class get?



w/c 7.3.22—Session 1

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### Calculating perimeter

Fill in the blanks.

There are \_\_\_ mm in 1 cm.

a = \_\_\_ cm \_\_\_ mm  
 b = \_\_\_ cm \_\_\_ mm  
 c = \_\_\_ cm \_\_\_ mm  
 d = \_\_\_ cm \_\_\_ mm

Tick the images where you can find the perimeter.



Explain why you can't find the perimeter of some of the images.

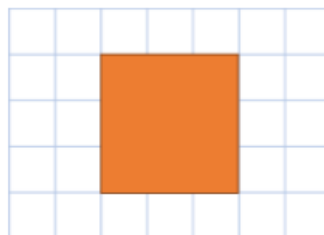
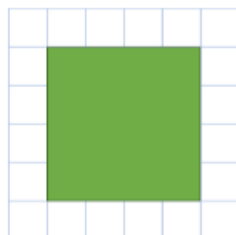
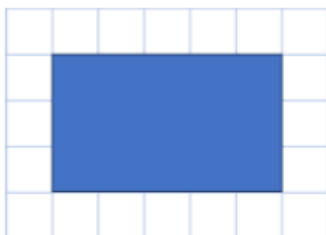
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Calculate the perimeter of the rectangles.

\_\_\_ cm + \_\_\_ cm + \_\_\_ cm + \_\_\_ cm = \_\_\_ cm

Calculate the perimeter of the shapes.

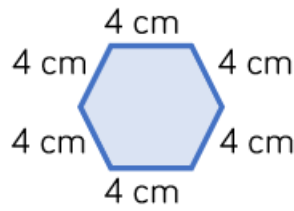
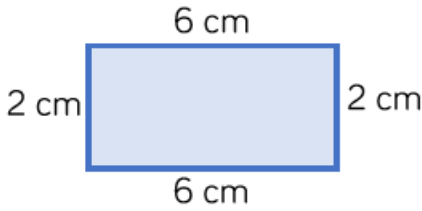


**Blue:** \_\_\_\_\_ squares  
**Green:** \_\_\_\_\_ squares  
**Orange:** \_\_\_\_\_ squares



### Calculating perimeter - Challenge

Calculate the perimeter of the shapes.



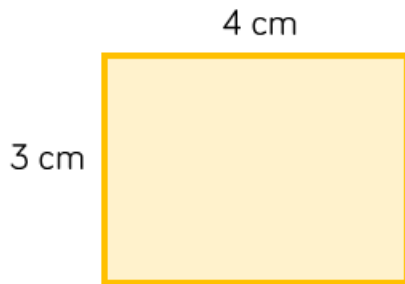
Rectangle: \_\_\_\_\_

Hexagon: \_\_\_\_\_

Square: \_\_\_\_\_

Amir is measuring the shape below. He thinks the perimeter is 7 cm.

Can you spot his mistake?




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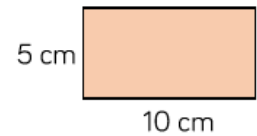


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Eva is finding the perimeter of the rectangle.



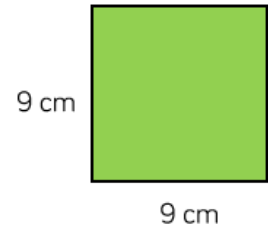
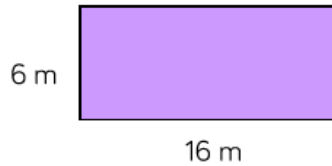
I added the length and width together and then multiplied by 2



$$5 \text{ cm} + 10 \text{ cm} = 15 \text{ cm}$$

$$15 \text{ cm} \times 2 = 30 \text{ cm}$$

Use Eva's method to find the perimeter of the rectangles.




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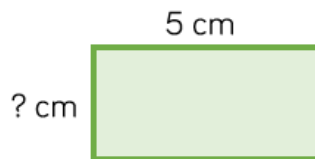


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What is the length of the missing side?



Perimeter = 16 cm



Each side of this shape is of equal length. The perimeter is 60 cm. How long is each side?

Complete the statements.

3,000 m = \_\_\_ km

8 km = \_\_\_\_\_ m

5 km = \_\_\_ m

3 km + 6 km = \_\_\_\_\_ m

500 m = \_\_\_ km

250 m = \_\_\_\_\_ km

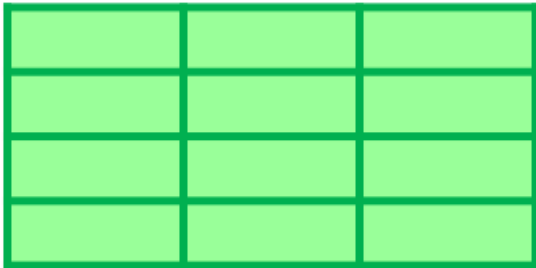
9,500 m = \_\_\_ km

4,500 m - 2,000 m = \_\_\_\_\_ km



Calculating perimeter - Chilli Challenge

This floor is made up of tiles. The total perimeter of one tile is 180mm. The width of each tile is half the length.



Calculate the perimeter of the floor in cm.

Elodie says,



The perimeter of a rectangle will always be an even number.

Is Elodie correct? Prove it.