Kim is packing eggs into boxes.

Each box holds 6 eggs.

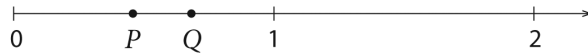She has 94 eggs.

What is the smallest number of boxes she needs to pack all the eggs?

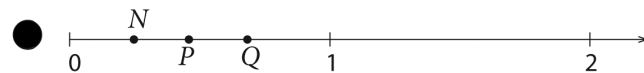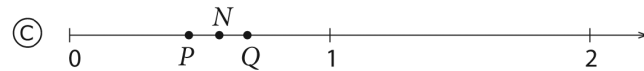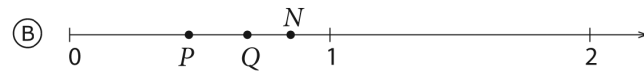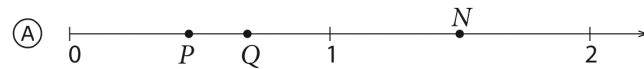Answer: _____16_____ boxes

$94 \div 6$

$15 \ R \ 4$

M052061

P and Q represent two fractions on the number line above.
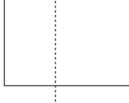
$P \times Q = N$.

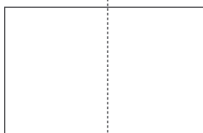Which of these shows the location of N on the number line?

Ⓐ

Ⓑ

Ⓒ

●

M032662

Which of these could represent the expression $2x + 3x$?

Ⓐ The length of this segment:

$$\overset{\displaystyle x \qquad\quad 5}{\vdash\!\!\!-\!\!\!-\!\!\!-\!\!\!-\!\!\!\mid\!\!\!-\!\!\!-\!\!\!-\!\!\!-\!\!\!\dashv}$$

Ⓑ The length of this segment:

$$\overset{\displaystyle 2 \quad 3 \qquad x}{\vdash\!\!\mid\!\!-\!\!-\!\!\mid\!\!-\!\!-\!\!\dashv}$$

● The area of this figure:

● The area of this figure:

Ⓓ The area of this figure:

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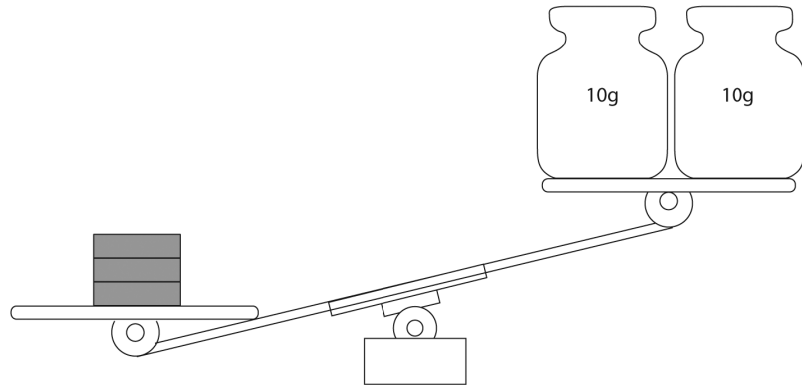Jo has three metal blocks. The weight of each block is the same.
When she weighed one block against 8 grams, this is what happened.
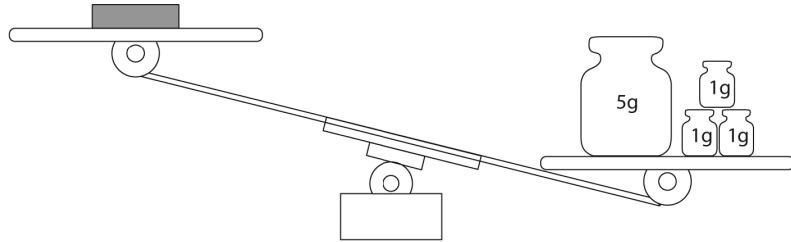
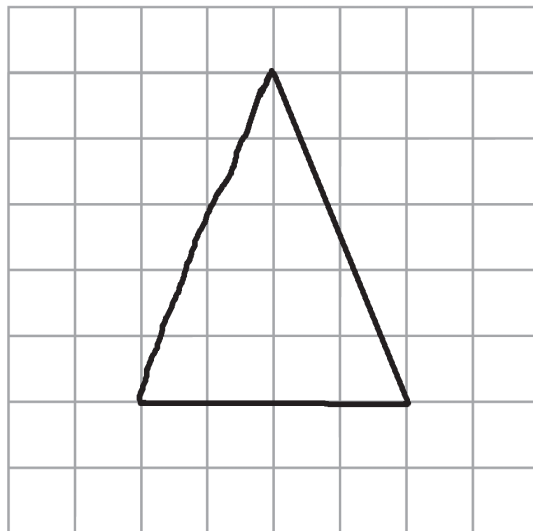When she weighed all three blocks against 20 grams, this is what happened.

Which of the following could be the weight of one metal block?
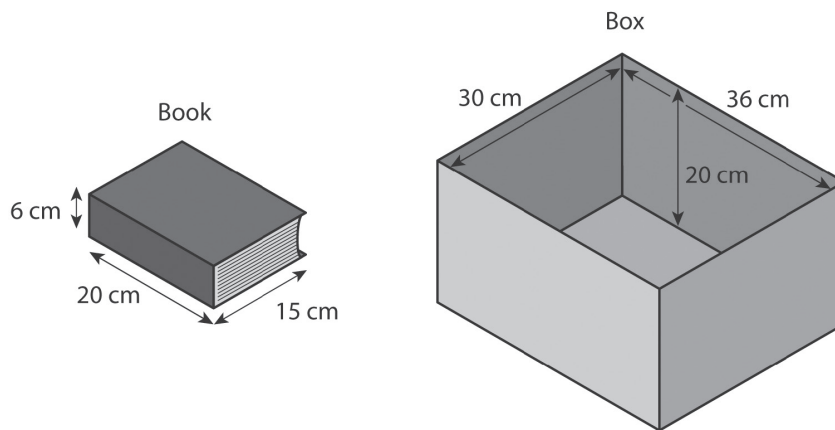
Ⓐ 5 g

Ⓑ 6 g

⬤ 7 g

Ⓓ 8 g

M032424

The length of side of each of the small squares represents 1 cm. Draw an isosceles triangle with a base of 4 cm and a height of 5 cm.

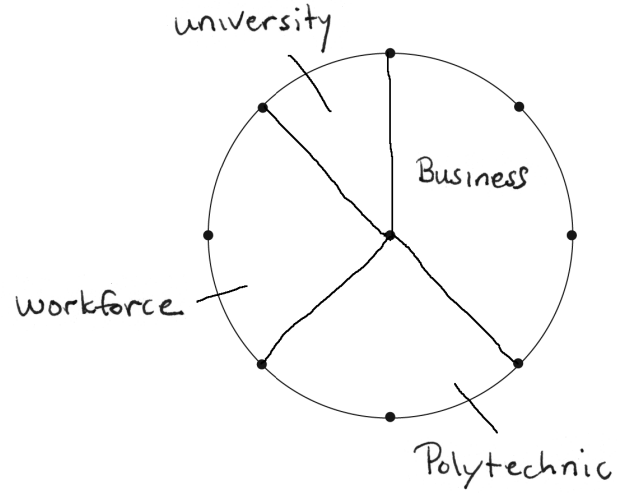Ryan is packing books into a rectangular box.

All the books are the same size.

Box

Book

30 cm   36 cm

6 cm   20 cm

20 cm   15 cm

What is the largest number of books that will fit inside the box?

Answer: _____12_____

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Of the 400 students in a school, 50 plan to go to university, 100 to a polytechnic, 150 to a business college, and the remainder plan to enter the workforce.

Use the circle below to make a pie chart showing the proportions of students planning to do each of these. Put labels on your chart.

M032695