Anjuli used these numbers, two at a time, to form fractions which are smaller than 1.
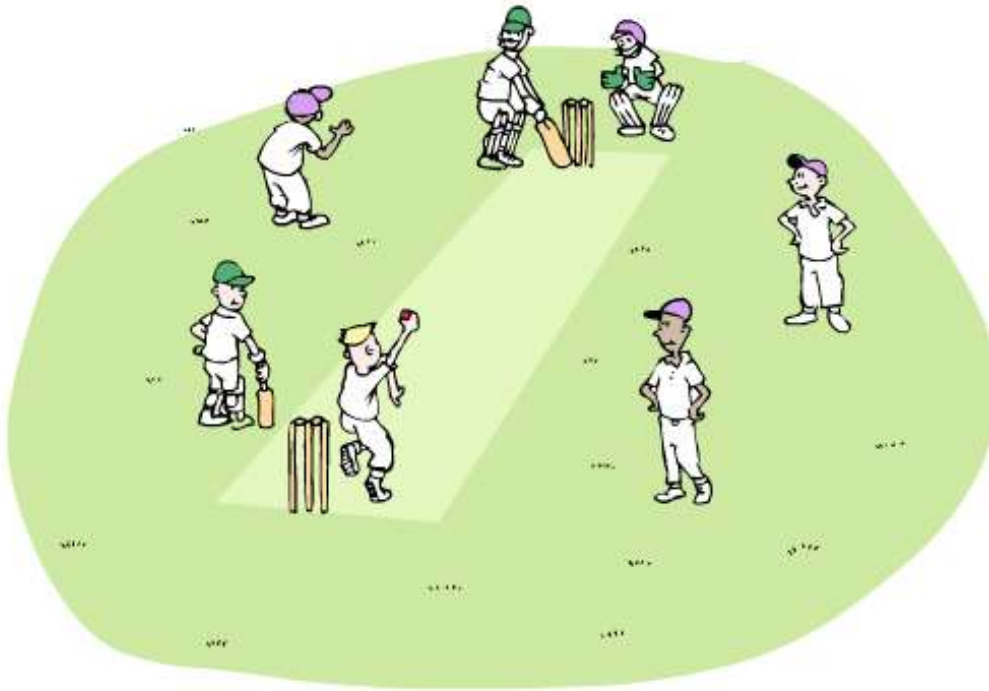
How many fractions can she form?

- ○ 3
- ○ 5
- ○ 6
- ○ 8

A cricket match begins in London at 11 am on Thursday. On Thursday, London time is 10 hours behind Australian Eastern Standard Time.

If the match is broadcast live in Sydney, what time will it begin?

- ⊙ 1 am Friday
- ⊙ 1 am Thursday
- ⊙ 9 pm Thursday
- ⊙ 7 pm Thursday
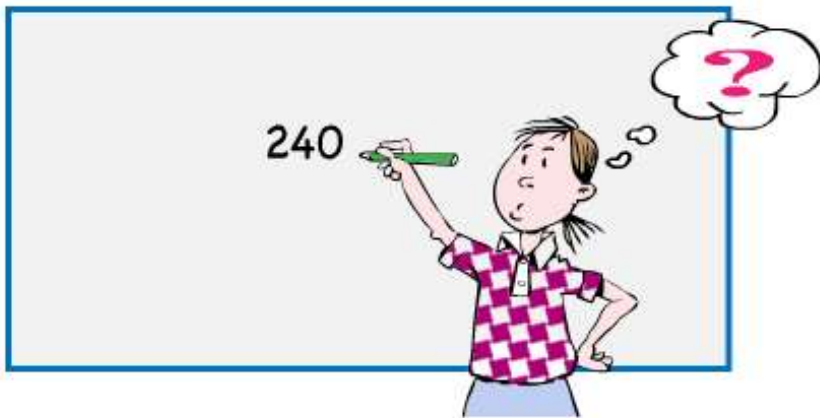
Dong has 48 more stickers than Leon.

If together they have 120 stickers, how many has Leon?

○ 36

○ 42

○ 52

○ 72

Kylie wanted to add 80 but instead subtracted 80 by mistake. Her answer was 240.

What should it have been?

- ◯ 80
- ◯ 160
- ◯ 320
- ◯ 400

A grid can be used to describe a code.

For example, the letter N is (5, 2).

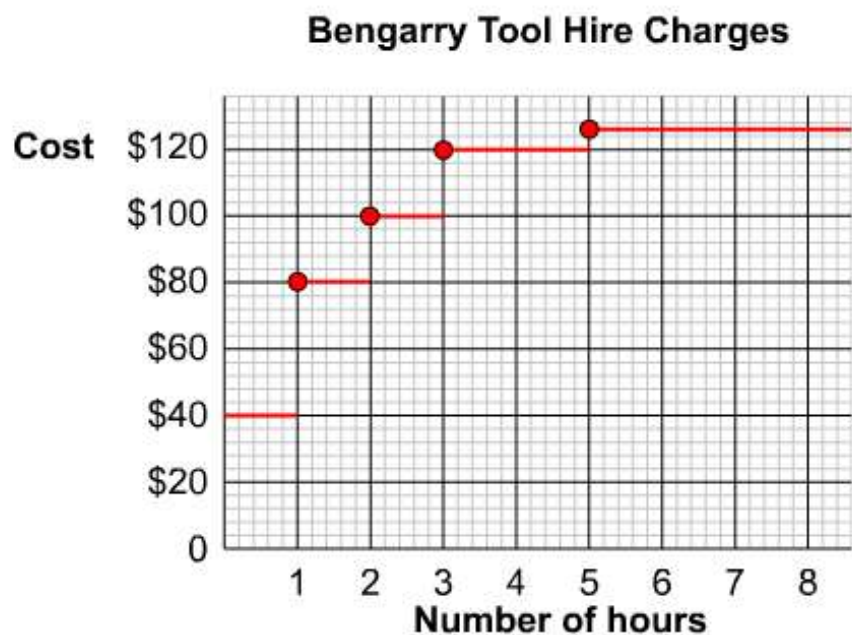The code for the word WISH is

- ○ (3, 3)(2, 0)(7, 3)(0, 1)

- ○ (3, 3)(2, 0)(3, 7)(1, 0)

- ○ (3, 3)(0, 2)(7, 3)(0, 1)

- ○ (3, 3)(0, 2)(3, 7)(0, 1)

The graph shows the cost to hire tools from Bengarry Tool Hire for different amounts of time.

Bengarry Tool Hire Charges

Cost $120

What is the cost of hiring a tool from Bengarry Tool Hire for $2\frac{1}{4}$ hours?
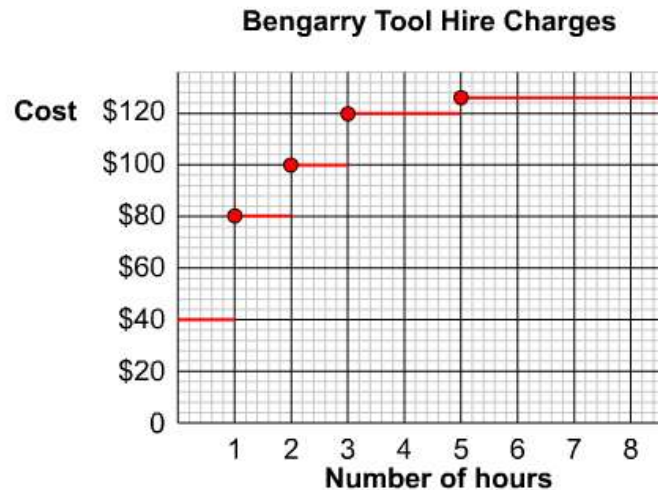
○ $80   ○ $90   ○ $100   ○ $105

The graph shows the cost to hire tools from Bengarry Tool Hire for different amounts of time.

Bengarry Tool Hire Charges

One of the owners of Bengarry Tool Hire, Ben, said: 'It costs $20 per hour to hire a tool for 6 hours.'

The other owner of Bengarry Tool Hire, Garry, said: 'It costs more to hire 3 tools for half an hour than to hire 1 tool for 4 hours.'

Using the information from the graph, who was correct?

◯ Ben only

◯ Garry only

◯ both Ben and Garry

◯ neither Ben nor Garry

7

Here is a number sentence:

$$4 \times 5 \; \alpha \; 2 + 6 \; \alpha \; 2 = 13$$

What operation replaces the α in both places to make the number sentence true?
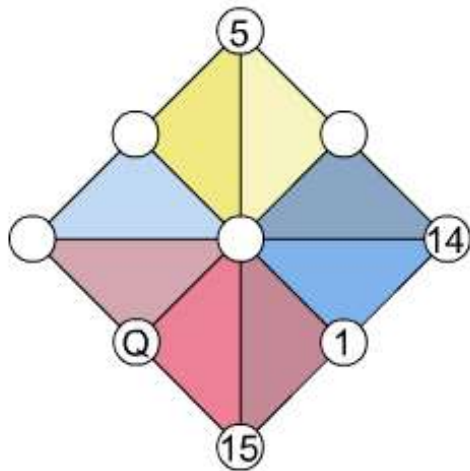
+	−	×	÷
○	○	○	○

When correctly completed, the three numbers along each of the lines add to the same number.

What number should be placed at Q?

- ○ 6
- ○ 9
- ○ 11
- ○ 19

$48 \div \triangle = 24 \div 8$

$\triangle =$

- ○ 4
- ○ 8
- ○ 12
- ○ 16

Leo uses different-sized stickers to cover a grid.

He has the following sized stickers:

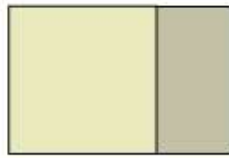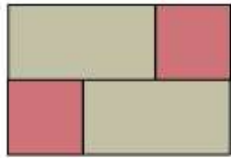A small square   A rectangle   A large square

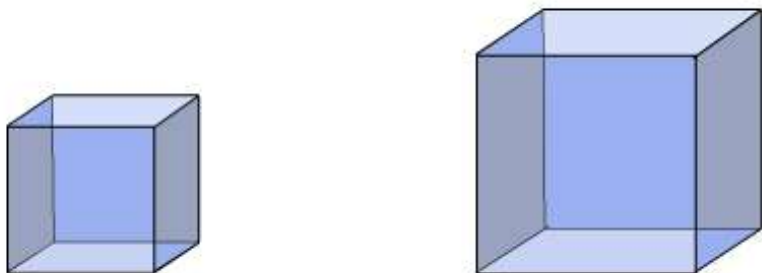There are many ways Leo can cover a three-by-two grid. Here are two examples:

Which of the following is **not** possible?

○ a three-by-two grid covered by two small squares and one large square

○ a two-by-four grid covered by two large squares

○ a two-by-three grid covered by three rectangles

○ a three-by-three grid covered by two large squares and two rectangles

11

Bridgett worked out the volume of a cube with side 2 cm.

A new cube is formed by increasing the length of each side by 1 cm.

What is the increase in the volume?

1 cm^3	10 cm^3	19 cm^3	27 cm^3
⭕	⭕	⭕	⭕

Fatima has a tin of biscuits. The full tin weighs 800 g. Fatima eats half of the biscuits.
The half-full tin weighs 500 g.

What does the empty tin weigh?

- ⭘ 150 g
- ⭘ 200 g
- ⭘ 250 g
- ⭘ 300 g

$$53.2 \times 24 = 1276.8$$

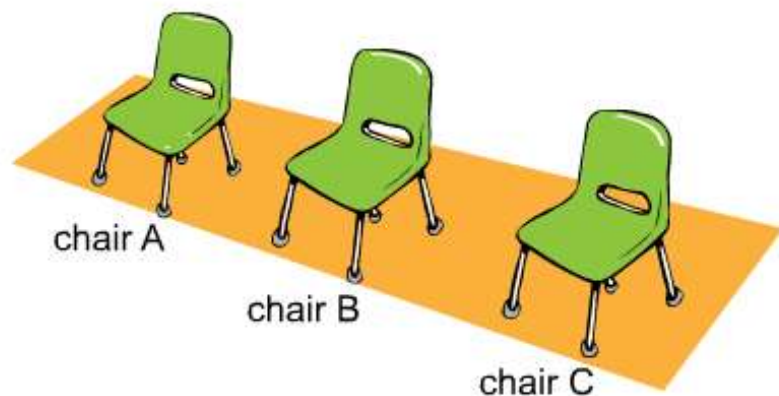What is the answer to the question 5.32×2.4 ?

- ◯ 1.2768
- ◯ 12.768
- ◯ 127.68
- ◯ 12 768

A teacher arranges three chairs at the front of her classroom.
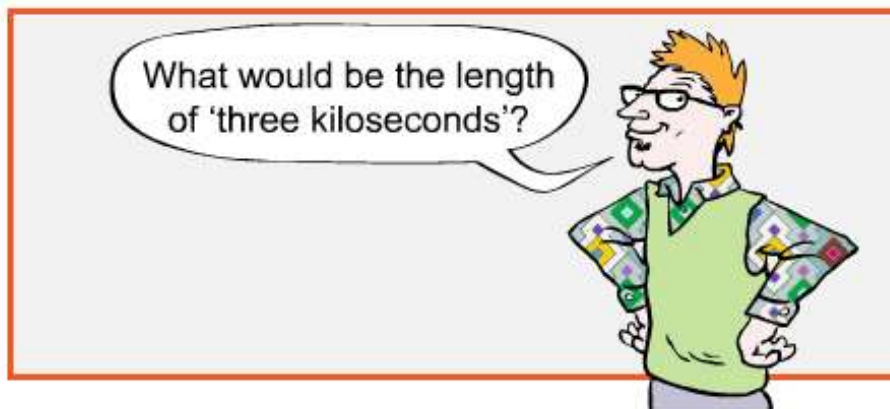

chair A

chair B

chair C

She invites Jace, Pam and Brett to come out to the front of the classroom and each sit on one of the chairs.

In how many different arrangements can the three students sit?

- ○ 3
- ○ 4
- ○ 5
- ○ 6

A kilometre is 1000 metres and a kilogram is 1000 grams so a 'kilosecond' would be 1000 seconds.
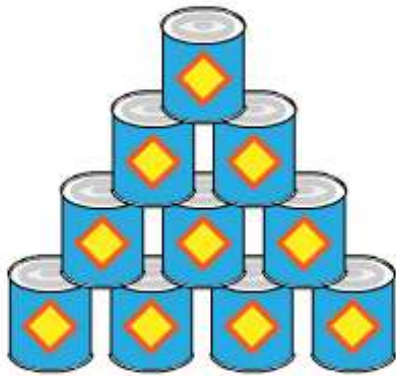
What would be the length of 'three kiloseconds'?

- ⬭ 5 minutes
- ⬭ 50 minutes
- ⬭ 5 hours
- ⬭ 50 hours

The diagram represents a display of cans in a supermarket.

The display currently has four rows.

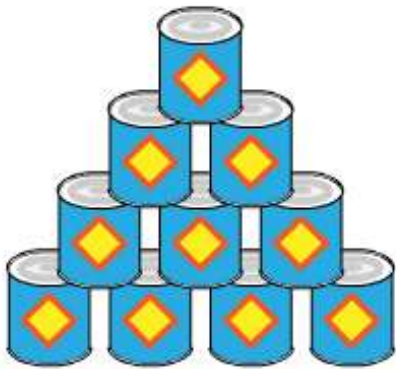How many cans would be in eight rows in total?

O 20

O 32

O 36

O 64

The diagram represents a display of cans in a supermarket.

Gerhard has 105 cans that he wants to arrange in a display like the one in the diagram.

How many cans should he place on the bottom row?

- ○ 13
- ○ 14
- ○ 15
- ○ 16

X $\xrightarrow{180°}$ X

The letter X has half-turn symmetry. If turned through 180° about its centre it looks exactly the same.
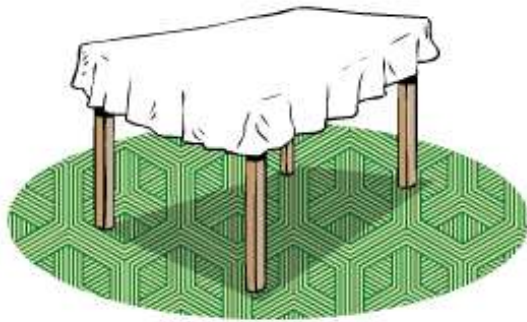
Which of these does **not** have half-turn symmetry?

- ⬭ H
- ⬭ M
- ⬭ N
- ⬭ S

The length of a rectangular table is 160 cm and the area 1.6 m^2.

A tablecloth is placed over the table. It hangs over the edge of the table on all four sides a distance of 10 cm.

What is the width of the tablecloth?

- ◯ 100 cm
- ◯ 110 cm
- ◯ 120 cm
- ◯ 140 cm