

10 - Minute Maths

Zach needs to purchase a square piece of carpet for his front room. The length of the sides are 8 metres.

What is the area of the room which needs carpet?

Write the fractions as percentages.

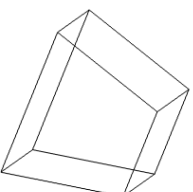
$$\frac{40}{400} = \text{[]}$$

$$\frac{3}{50} = \text{[]}$$

$$\frac{250}{500} = \text{[]}$$

$$\frac{120}{200} = \text{[]}$$

Which 2-D shapes form the surfaces of the 3-D shape below?



Find an improper fraction that is greater than $1\frac{1}{2}$ but smaller than 2.

The cuboid contains 4 l of water.



How many glasses of 250 ml can be filled with all water from the cuboid?

Complete the calculation.

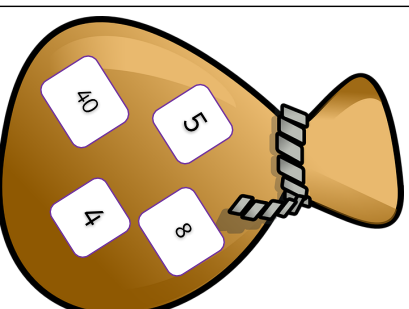
$$3, 8 \quad 2 \quad 4$$

$$\begin{array}{r} 30, 592 \\ \underline{613} \\ 613 \end{array}$$

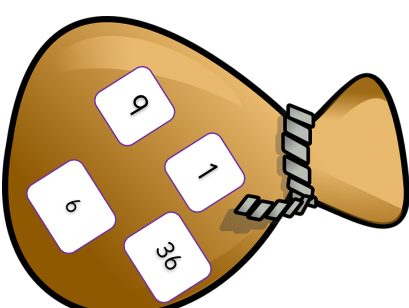
How many mistakes can you spot?

Circle them.

Factors of 20



Factor of 18 and 36



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Tick the calculation which answer is 14.

$\frac{1}{14} \times 7$

$\frac{7}{9} \times 18$

$\frac{2}{7} \times 14$

$\frac{7}{12} \times 18$

Place these numbers in descending order.

1.002 0.011

0.750 1.8

3.99

4.001

Complete the sentences.

An obtuse angle measures between

_____ and _____ degrees.

215° is a _____ angle.

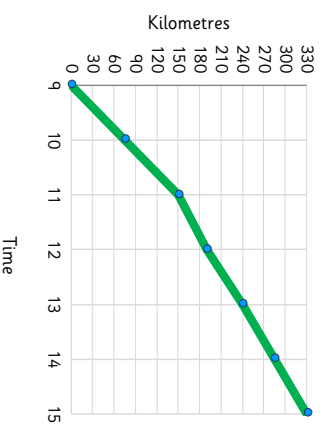
78° is an _____ angle.

Rosie had £50.

She gave £3.5 to her sister and then bought some items for a total cost of £35.45.

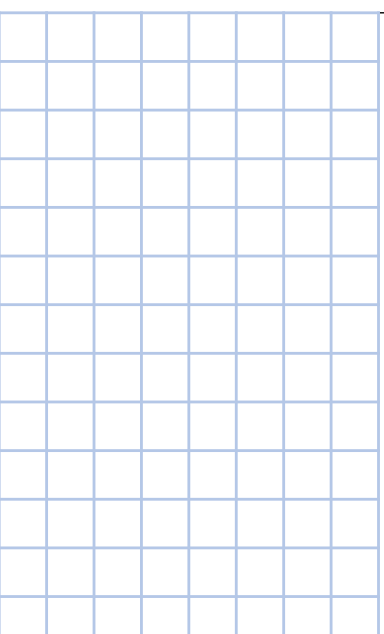
How much change did she get back??

The graph shows a journey Leanna's family made.

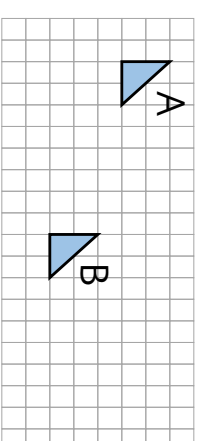


How far had they travelled by 14:00?

What is twenty thousand three hundred and forty-five less than fifty thousand five hundred?



Describe the translation of triangle A to triangle B.

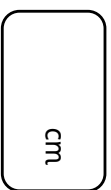


Shape A has been translated _____ left/right and _____ up/down.

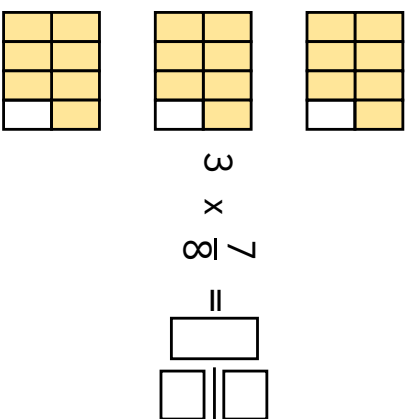
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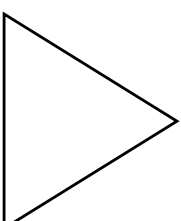
Measure the shelf below and write its true length.



Use the model to help you solve the calculation.



Use a protractor and a ruler to check whether this is a regular or irregular triangle.

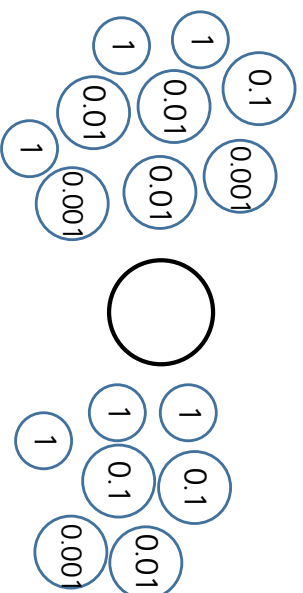


Put these numbers in the correct column.

15.55	15.42	15.37
15.51	15.63	15.48

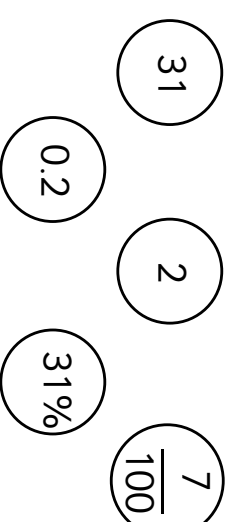
Rounds to 15.4	Rounds to 15.5	Rounds to 15.6

Put <, > or = to make the statement correct.



$$1,785 \div 7 = \square$$

Arrange the values in order from the smallest to the largest.



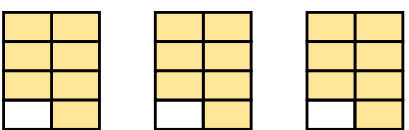
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Measure the shelf below and write its true length.



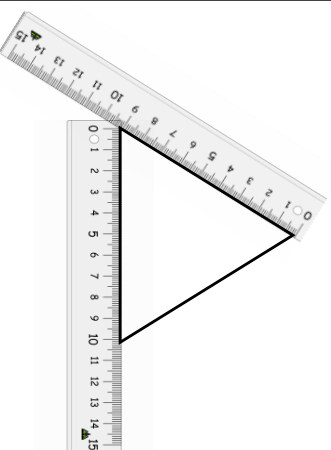
≈ 120 cm

Use the model to help you solve the calculation.



$$3 \times \frac{7}{8} = 2 \frac{5}{8}$$

Use a protractor and a ruler to check whether this is a regular or irregular triangle.



Measuring the length of the side we can conclude that this is not a regular (equilateral) triangle.

Put these numbers in the correct column.

15.55 15.42 15.37
15.51 15.63 15.48

Rounds to 15.4	Rounds to 15.5	Rounds to 15.6
15.42	15.51	15.55
15.37	15.48	15.63

Put <, > or = to make the statement correct.

$0.1 > 0.001$
 $1 > 0.01$
 $0.01 > 0.001$
 $1 > 0.01$
 $1 > 0.1$
 $1 > 0.001$
 $1 > 0.1$
 $1 > 0.01$
 $1 > 0.001$

$$1,785 \div 7 = \square$$

$$\begin{array}{r} 0,255 \\ 7 \overline{) 1,785} \\ \underline{14} \\ 38 \\ \underline{35} \\ 35 \\ \underline{35} \\ 0 \end{array}$$

Arrange the values in order from the smallest to the largest.

31 2 $\frac{7}{100}$
 0.2 31%
 $\frac{7}{100}$ 0.2 31% 2 31

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Circle the number greater than 3.45.

3.544

3.445

3.06

3.451

3.4

Rosie spent £11.8 at one shop, £15.99 at the second and £18.41 at the third.

How much money did she spend altogether?

Complete the calculations. Write the answer as a mixed number.

$$5\frac{1}{4} \times 3 =$$

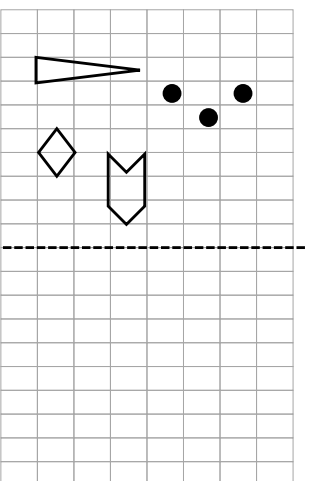
$$7\frac{7}{9} \times 8 =$$

$$3\frac{4}{10} \times 12 =$$

I am between 1 - 20
I have 3 letters.
All my letters are different

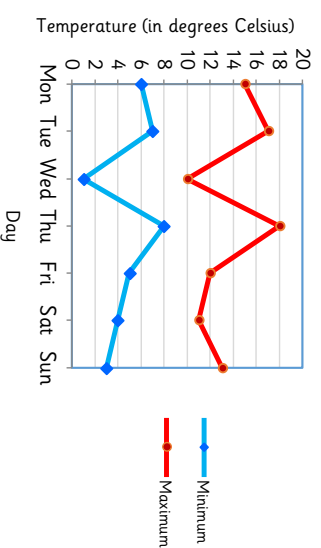
What Roman numeral could I be?
Write the Roman numeral and the number.

Reflect the given images on the other side of the line of symmetry.



$$742 \times 38 =$$

The graph shows the minimum and maximum temperature over a week.



What is the difference in maximum and minimum temperature on Friday?

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Circle the number greater than 3.45.

3.544

3.445

3.06

3.451

3.4

Rosie spent £11.8 at one shop, £15.99 at the second and £18.41 at the third.

How much money did she spend altogether?

£46.2

Complete the calculations. Write the answer as a mixed number.

$$5\frac{1}{4} \times 3 = 15\frac{3}{4}$$

$$7\frac{7}{9} \times 8 = 62\frac{2}{9}$$

$$3\frac{4}{10} \times 12 = 40\frac{4}{5}$$

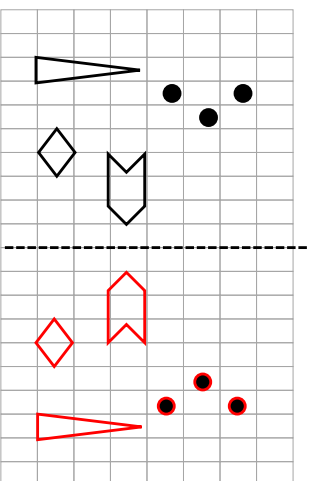
I am between 1 - 20 I have 3 letters. All my letters are different

What Roman numeral could I be? Write the Roman numeral and the number.

XIV - 14

XVI - 16

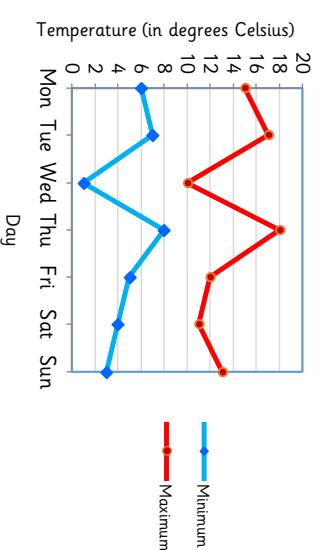
Reflect the given images on the other side of the line of symmetry.



$$742 \times 38 = 28,196$$

		7	4	2			
x		3	3	8			
	5	9	3	6			
	2	2	6	0			
	2	8	1	9	6		

The graph shows the minimum and maximum temperature over a week.

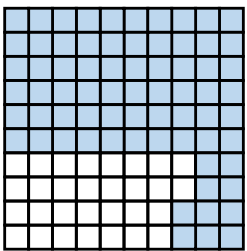


What is the difference in maximum and minimum temperature on Friday?
 $12 - 6 = 6$ degrees

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Fill in the missing values.



$$\frac{\square}{\square} = 0.7 = \underline{\quad}\%$$

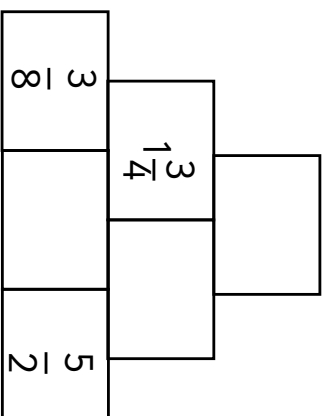
Draw a regular quadrilateral.



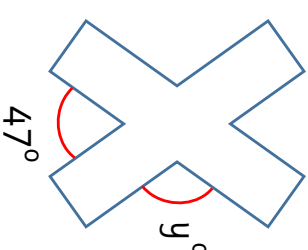
Draw a regular octagon.



Fill the gaps in this addition pyramid.



Find the missing angle.

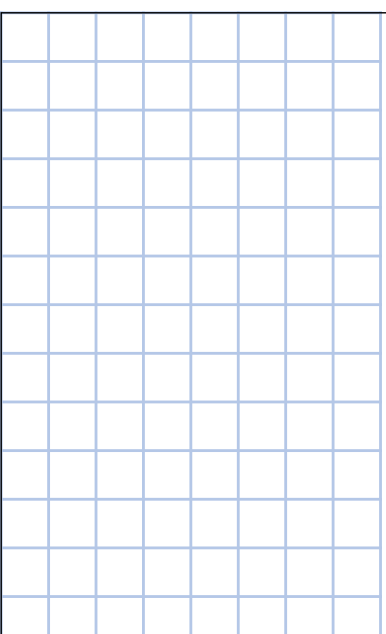


$$y = \underline{\quad}^\circ$$

Shade the box to show where $\frac{5}{4}$ should be in order list.

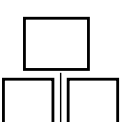
- $\frac{1}{3}$
 $\frac{3}{4}$
 $\frac{7}{8}$
 $1\frac{4}{5}$

What is sixty thousand nine hundred more than nineteen thousand seven hundred and ninety-nine?

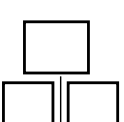


Write each decimal number as a mixed number.

Three ones, fifty-four hundredths



Fourteen tens, four hundredths



Nine tens, twenty-six hundredths

