

1st July

Numeracy 5-a-day



Corbettmαths

374 471 730 901 1023

Which number is the largest?

Write the largest number in words.



What fraction of the shape is shaded?

What percentage of the shape is shaded?

383 745 837 890 734

Which two numbers are multiples of 5?

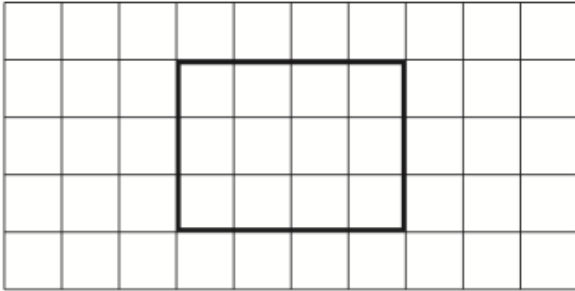
Add the two even numbers

Write down the number that is 7 less than 2

Write down the number that is 6 more than -13

48 44 ___ 36 ___ ___

Fill in the missing numbers



Draw all the lines of symmetry on the rectangle

Add together 2014 and 1092

Write nine tenths in figures

Write 0.007 in words.

Impossible Unlikely Even Likely Certain

Which word from the box best describes the likelihood of each of these events?

Getting a tail when flipping a coin.

A day chosen at random ending in the letter p.

Rolling an ordinary dice and getting a 4.



$$\begin{array}{r}
 4 \quad \square \\
 + \quad \square \quad 4 \\
 \hline
 7 \quad 2
 \end{array}$$

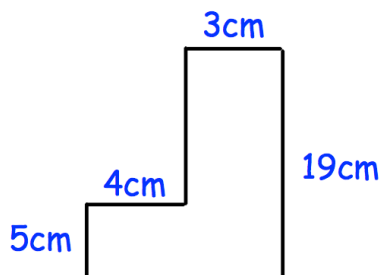
| City | Distance from London |
|-------------|----------------------|
| Los Angeles | 8766 km |
| Sydney | 17012 km |
| Tokyo | 9577 km |
| Cape Town | 9680 km |

Which of these cities is the furthest away from London?

Which number in the table is a multiple of 10?

Aisha needs 42000 blocks of Lego to build a large castle.
The lego blocks are sold in boxes of 2000.

How many boxes of lego does she need?



Find the area

4th July

Numeracy 5-a-day



Corbettmαths

Work out $638 + 873$

$1200 - 484$

$546 \div 3$

Work out

$\frac{3}{8}$ of 48

Gavin went on a journey in his car.
Shown is the mileage on his car.

How far did he travel?

Before the journey

| | | | | |
|---|---|---|---|---|
| 8 | 2 | 1 | 1 | 8 |
|---|---|---|---|---|

After the journey

| | | | | |
|---|---|---|---|---|
| 8 | 2 | 9 | 3 | 1 |
|---|---|---|---|---|

Simplify fully

$$\frac{21}{24}$$

Claire works in Dundee.
She lives 23 miles away.
Claire works Monday to Friday.

Claire drives to work and back each day.

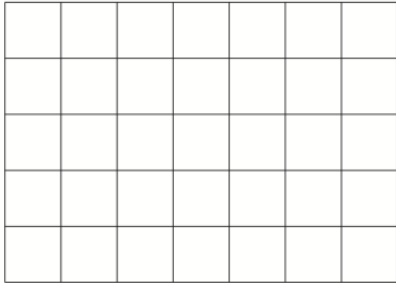
How many miles does Claire drive each week for work?



Teagan buys one box of cakes for £2.76.

She pays with exactly five coins.

List the coins



This is a centimetre grid.

Draw a rectangle with perimeter 10cm

Cakes are sold in boxes of six.
Caleb buys seven boxes for a party.

five cakes are not eaten

How many cakes were eaten at the party?

A A C A A

What fraction of the letters above are A?

What percentage of the letters are A?

Three friends are in a race.
Alice is 6 metres ahead of Barry.
Barry is 7 metres behind Cara.

Write the runners in order, starting with the leader.



Write 4521 in words

A cake has a mass of 600g.
30% of the cake is sugar.

How many grams of sugar are in the cake?



22 18 26 23 29 36

Write down three numbers from the list that add up to 70

Complete each sentence by writing in the most suitable **metric** unit.

The height of a door is approximately

2

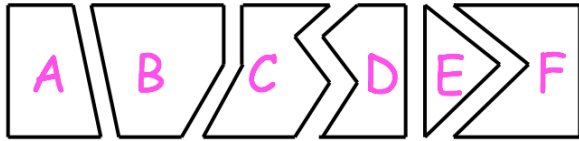
The weight of a man is

85

On Sunday a shop had 300 packets of biscuits in stock.

The shop sold 57 packets of biscuits on Monday, 93 packets on Tuesday and 89 packets on Wednesday.

How many packets of biscuits are left?



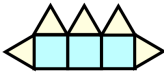
Write the letters of the shapes that are pentagons.

Round 293 to the nearest 10

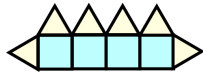
Round 293 to the nearest 100



Pattern 1



Pattern 2



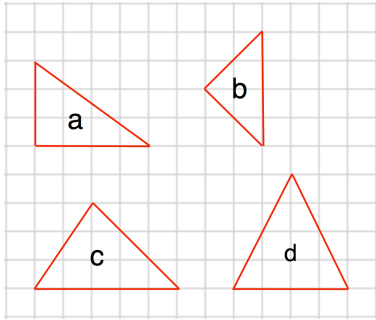
Pattern 3

Draw pattern 4

Four tickets for a trip cost a total of £156.

Work out the cost of one ticket.

Draw a 75 degree angle



Which two triangles are isosceles?

Write these numbers in order of size.
Start with the largest

4301 4290 4310

Work out the sum of 4301, 4290 and 4310

Here is a sequence of numbers

9 13 17 21

What is the rule for continuing the sequence?

Song 1 1 minute 29 seconds
Song 2 4 minutes 14 seconds
Song 3 3 minutes 52 seconds
Song 4 3 minutes 44 seconds
Song 5 5 minutes 2 seconds

Write down the playing time of Song 1 to the nearest minute.

Write down the playing time of Song 4 to the nearest minute.



Work out $49 + 49$

Double 75

| | |
|------------|-------|
| Southville | 07 04 |
| Leek | 07 09 |
| Jamestown | 07 38 |
| Lincoln | 08 01 |
| Gold City | 08 39 |

How long is the journey from Leek to Lincoln?

The train leaves Gold City at 08 45 and it takes 38 minutes to travel to Frome.

At what time does the train arrive in Frome?

At 9pm the temperature in Bristol was 4°C
At 3am the temperature was -5°C

By how many degrees did the temperature fall?

Over 20 days in February, it rained on 12 days.

What fraction of the days were rainy?
Simplify your answer.



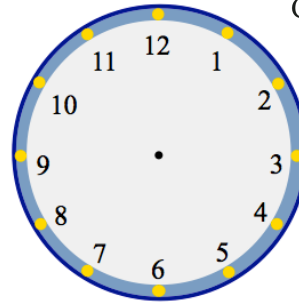
10th July

Numeracy 5-a-day

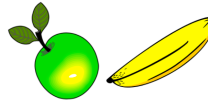


Corbettmαths

Show the time 10:45pm on the clock



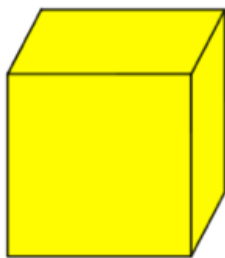
Juliana buys an apple for 41p and a banana for 27p.



How much more expensive are 5 apples than 5 bananas?

Simon has made a mistake.
Explain his mistake.

$$\begin{array}{r} 8 \quad 5 \quad 9 \\ + 1 \quad 7 \quad 6 \\ \hline 1 \quad 0 \quad 2 \quad 5 \end{array}$$



How many edges does a cube have?

Simplify fully

$$\frac{25}{35}$$

11th July

Numeracy 5-a-day



Corbettmαths

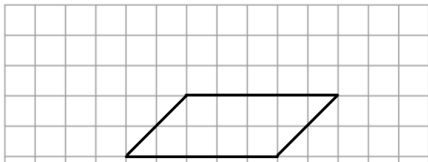
$45 + 76$

$86 - 21$

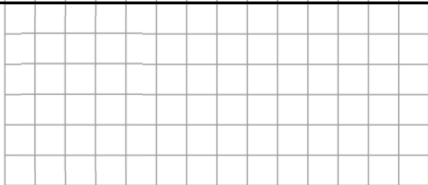
12 8 16 3 19 36

Write down the number that is 50% of 38

Write down the number that is a factor of 40

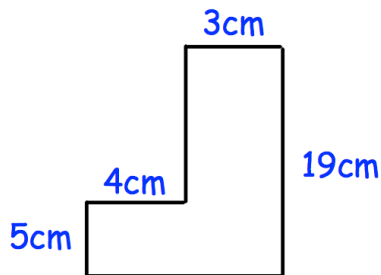


Mirror Line



Name the shape on the grid

Reflect the shape in the mirror line

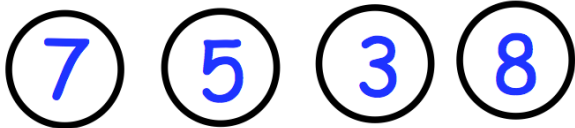


Find the perimeter

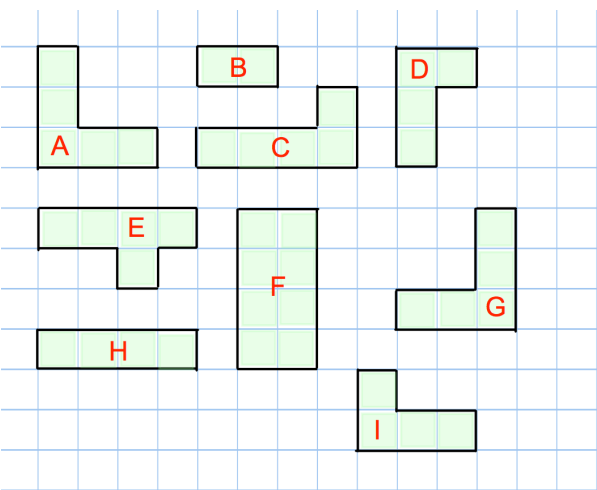


A pizza is cut into eight equal slices.
Martin eats 2 of them

What fraction of the pizza did Martin eat?
Give your answer in its simplest form.



Multiply these one digit numbers together.



Find a shape that is congruent to A.

Find another pair of congruent shapes

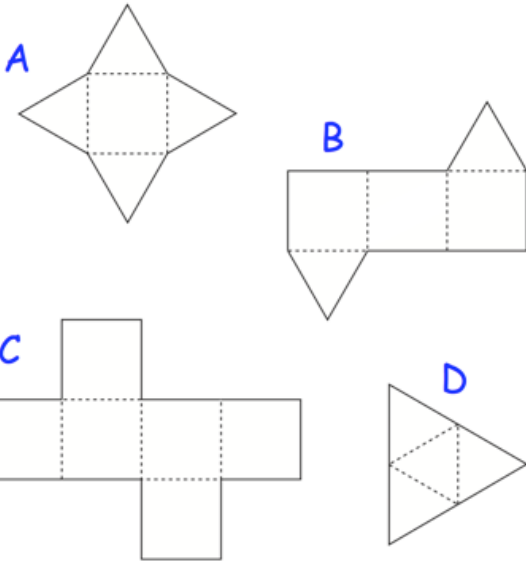
There are red and white beads in a bag.

The probability of picking a red bead from the bag is $\frac{11}{13}$

What is the probability of picking a white bead?



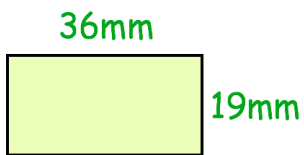
Here are some nets.



Which net is the net of a cube?

Which net is the net of a triangular prism?

Find the perimeter of the rectangle

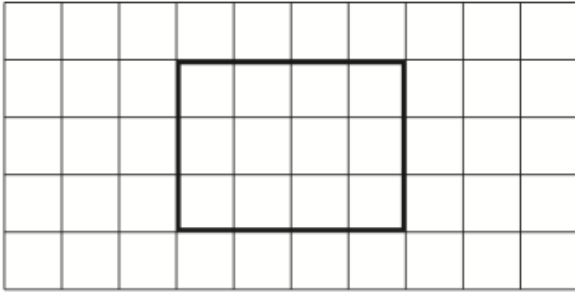


Add together:

- The number of days in August
- The number of seconds in three minutes
- The number of months in a year

150 students go on a school trip.
Each minibus holds 22 students.

How many many minibuses are needed?



The rectangle is drawn on a centimetre grid.

Work out the perimeter

A cup costs £1.45

What is the cost of four cups?

Niroon sat a test.
The test had 60 questions, each worth one mark.
He got three-quarters of the questions correct.
How many questions did Niroon get correct?



input

1.5



× 4



output

?

input

?



× 5



output

1

Convert 4 metres into centimetres

Convert 8 kilometres into metres

15th July

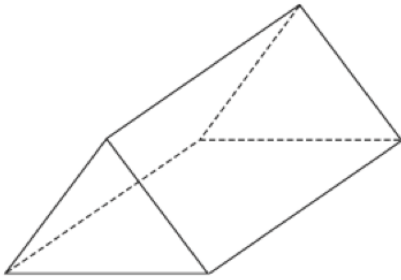
Numeracy 5-a-day



Corbettmαths

Work out $-7 + 2$

Work out $9 - 20 + 1$



Draw the net for the solid shape shown.

Janice left home at 14:55 and reached town at 15:27.

How long did the journey last?

A piece of wire is 3.8 metres long. It is cut into 8 parts of equal length.

How long is each part?

$$-13 \times 7$$

$$220 \div -4$$

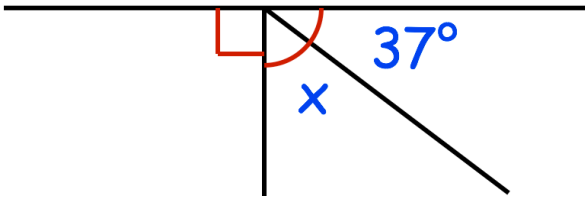


List the first 5 square numbers

List the first 5 prime numbers

Write 0.006 in words.

Find x



Mark has £72

Victoria has £14 less than Mark

Tiffany has £35 more than Victoria

How much money do they all have in total?

$$\sqrt{64}$$

$$5 \times 12^2$$

17th July

Numeracy 5-a-day



Corbettmαths

A pen costs £4.79
Louise pays with a £20 note.

Work out how much change she
should receive.

Write 3138 correct to the nearest
100

Write down the square of 6

Write down the square root of 9

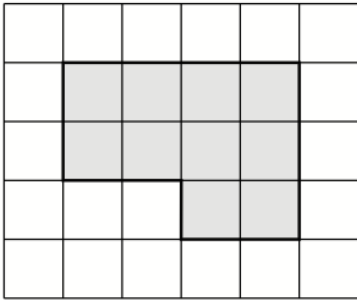
Write down all the factors of 10

Write down all the multiples of 3
between 10 and 25



This bottle holds 500 millilitres.

What is 500 millilitres in litres?



This is a centimetre grid.

What is the perimeter of the shape?

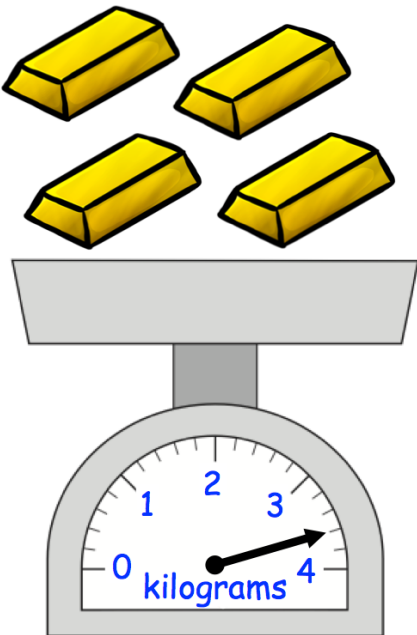
Lunch cost £6.80

Anton pays with a £10 note.

How much change should he get?

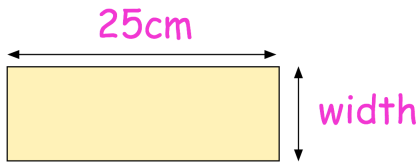
In 1999, the 28th September was a Tuesday.

What day was the 3rd October?



Four identical gold bars are placed on a set of scales.

Work out the weight of one bar of gold. Include units.



The area of this rectangle is 300cm^2

Calculate the width



Tick the quadrilaterals with exactly two obtuse angles.

Circle the quadrilateral with exactly three acute angles.

| | |
|--------|-------|
| Burger | £4.50 |
| Salad | £2.75 |
| Chips | £2.85 |
| Drink | £1.80 |

Aria buys a burger, a salad and two drinks.

How much change will she get from £20?

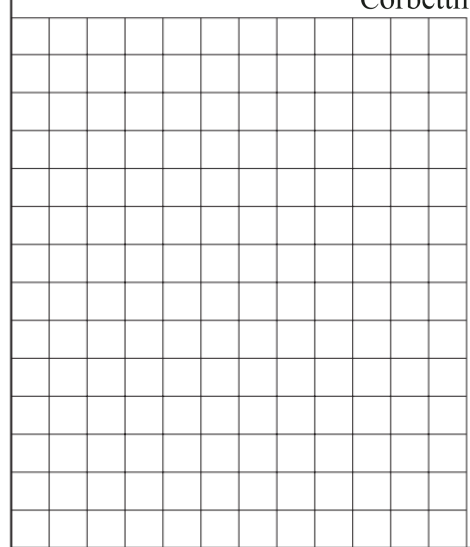
Ella has a bag of 50p coins.
In total she has £600

How many 50p coins are in the bag?



Create a tally chart and draw a bar chart for this information:

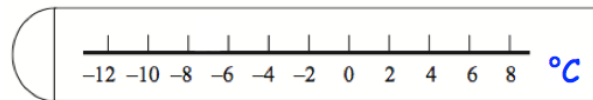
Red Green Red Blue White
 Red Red Blue White Red Blue
 White Green Blue Red Red
 White Red Blue Red White



The temperature on Monday was 3°C

On Tuesday it was 10°C colder.

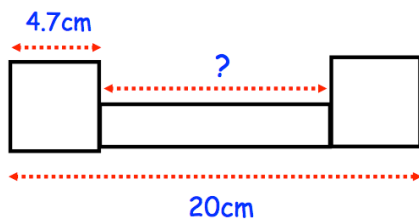
Show this temperature on the thermometer.



Arrange these lengths in order from shortest to longest.

- 30 centimetres
- 800 metres
- 0.5 kilometres
- 99 millimetres

Two identical squares and a rectangle are drawn below.



Find the length of the rectangle.



| | | |
|---|----|----|
| 2 | 19 | 8 |
| 9 | 15 | 21 |

From the box, write down the even numbers

From the box, write down the prime numbers

From the box, write down the factors of 42

A packet of sweets costs 65p.
How many packets of sweets can be bought for £10?

How much change will there be?

| Name | Price (£) | Mass (kg) | Thickness (cm) | Battery (minutes) |
|-------|-----------|-----------|----------------|-------------------|
| Epic | £799 | 1.23 | 1.89 | 690 |
| Bell | £1249 | 1.2 | 1.52 | 650 |
| Lemon | £1599 | 1.37 | 1.49 | 720 |
| HB | £799 | 1.28 | 1.7 | 740 |
| Lazer | £1049 | 1.35 | 1.66 | 660 |

Which laptop is the thinnest?

The table shows information about five different laptops.

Which laptop has a battery life of 12 hours?



Michael has 12 five pence pieces
and 12 twenty pence pieces

How much money does Michael have?

A bag of carrots costs 59p

Noah buys 29 bags of carrots.

How much do the bags of carrots
cost?

He pays for the carrots with a £20
note.

How much change does Noah get?

List the common multiples of 3 and 4
that are under 40.

Azizah is a car saleswoman.
She is paid £350 per week and £120
for every car she sells.

In one week, she sells 4 cars.
How much is she paid that week?

23rd July

Numeracy 5-a-day

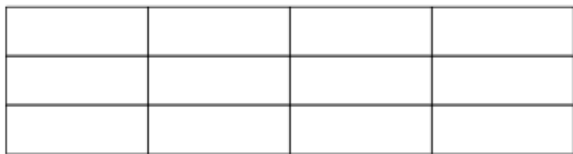


Corbettmαths

A rule for a sequence is
“half the previous number.”

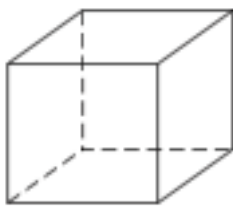
40 20 10 ___ ___

Find the two missing numbers



Shade $\frac{1}{4}$ of this shape

What percentage of the shape is not shaded?



Shown above is a cube

How many faces does the cube have?

How many vertices does the cube have?

Work out

$\frac{3}{4}$ of 44m

400 of 600 students in a school have school dinners.

How many **do not** have school dinners?

What fraction of the students have school dinners?

Simplify your answer.

24th July

Numeracy 5-a-day



Corbettmαths

Work out $695 - 596$

Work out $845 \div 5$

Write down all the prime numbers between 4 and 15

Write the first square number which is greater than 9

Simplify fully

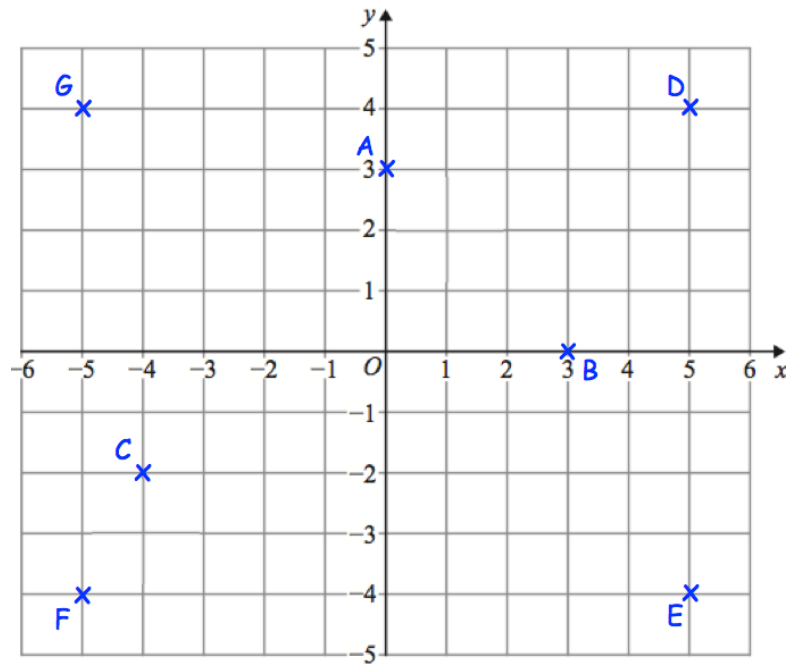
$$\frac{8}{12}$$

15 26 35 37 40 54 60 72

A prime number

From the list write down:
The number that is the product of 9 and 6.

Work out $13.6 - 4.78$



Which point has the coordinates (3, 0)?

Which point has the coordinates (-5, 4)?

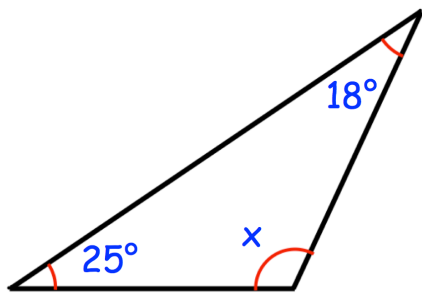
Plot the point (2, -4).
Label the point H.

Write down the coordinates of the point F.

250 of 1000 students travel by bus to school each morning.

How many **do not** travel by bus to school?

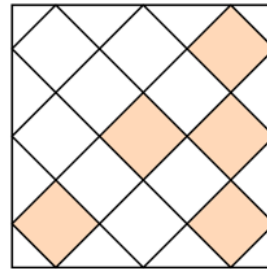
What fraction of students **do not** travel to school by bus?
Simplify your answer.

Find x

Draw a pair of parallel lines

Draw a pair of perpendicular lines

Shade one more square so this pattern has one line of symmetry.



Finn organises a charity film showing. The tally chart shows the tickets sold.

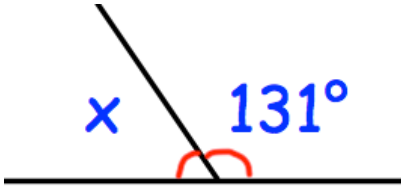
| Group | Tally |
|------------|-------|
| Children | |
| Adults | |
| Pensioners | |

An adult ticket is £10.

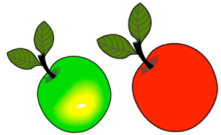
A child ticket is half the price of an adult ticket.

A pensioner pays £3 less than an adult.

How much money did Finn raise for charity?



Find x



A red apple cost 27p
A green apple cost 28p

What is the total cost for two red apples and one green apple?

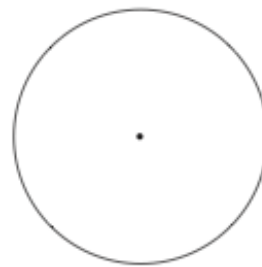
Arrange in order:

3.4 3 3.331 3.5 3.42

from smallest to largest

A hula hoop has a radius of 26cm.

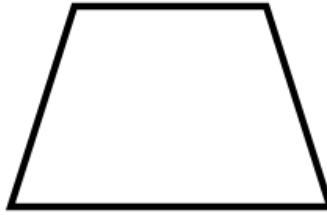
What is the diameter of the hula hoop?



Work out 293×25



Name this shape



Michael and Rosie each have a bottle of water.

Michael's bottle contains $1\frac{3}{4}$ litres

Rosie's bottle contains 2.2 litres.

How many more millilitres of water does Rosie have?

Departure times

| | | | | |
|-------------|-------|-------|-------|-------|
| Antrim | 12:30 | 13:00 | 14:00 | 16:00 |
| Randalstown | 12:45 | 13:15 | 14:15 | 16:15 |
| Ballymena | 13:01 | 13:31 | 14:31 | 16:31 |
| Ballycastle | 13:39 | 14:09 | 15:09 | 17:09 |

James gets the 16:15 bus from Randalstown to Ballycastle.

How long does this journey take?

The journey costs £4.90
He pays in the least possible number of coins.

How many coins did he use?
What were these coins?

29th July

Numeracy 5-a-day

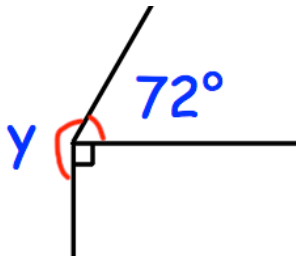


Corbettmαths

Draw an acute angle

Draw an obtuse angle

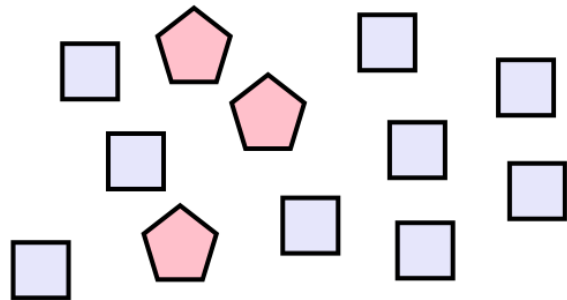
$\frac{3}{5}$ of \$40



Find y

Write down the first 15 square numbers

Write down the ratio of squares to pentagons.
Simplify your answer.





List the first 5 multiples of 3

List the factors of 10

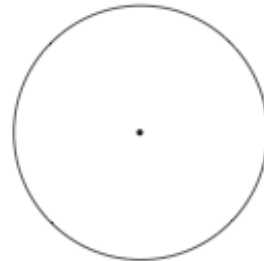
15 26 35 37 40 54 60 72

From the list write down:

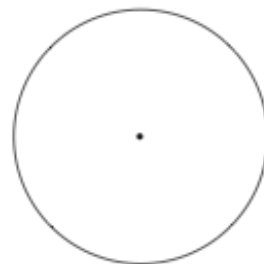
A factor of 30

A multiple of 7

Draw a radius on the circle



Draw an arc on the circle



Nayeem buys a ruler for 80p and two pencils.
Both pencils cost the same price.

Nayeem pays with a £5 note and receives £3.10 change.

How much does one pencil cost?

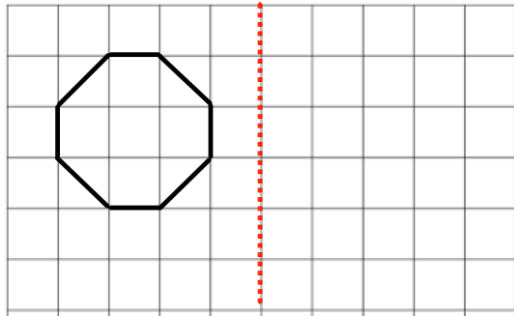


Round 128.4 to the nearest whole number

Round 8.72 to the nearest whole number

Mrs Pearce goes shopping at a supermarket.
The bill is £102.51 but she has a voucher for £15.68

How much more does she need to pay?

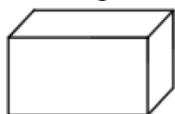


Reflect the shape in the mirror line.

$$1240 \div 20$$

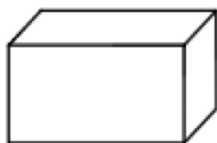
$$60 \times 70$$

Regular Packet
8 burgers



£1.59

Large Packet
24 burgers



£4.79

Which is better value for money?