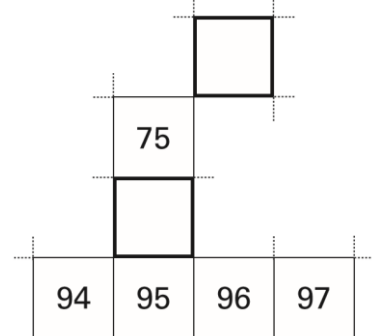
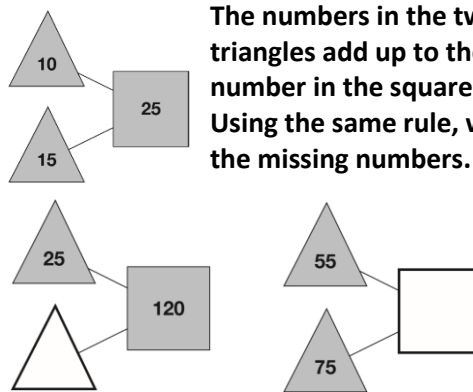


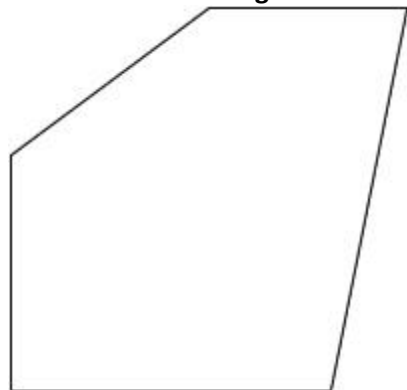
Here is part of a hundred square.
Write in the missing numbers.



The numbers in the two triangles add up to the number in the square.
Using the same rule, write in the missing numbers.



Look at this shape. Draw a cross in the corner with the smallest angle.



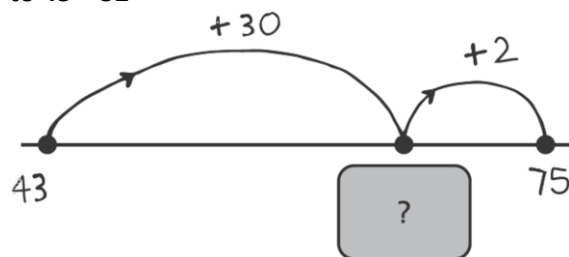
Look at the table.

Food	Mass
Apple	150 g
Banana	210 g
Potato	250 g
Carrot	90 g

The potato is _____g heavier than the carrot.

Together, the apple and banana weigh _____g.

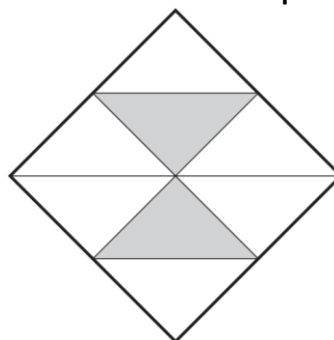
Molly drew a number line to find the answer to $43 + 32$



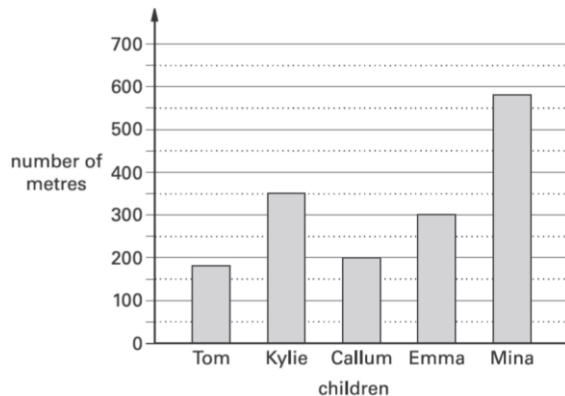
What number is hidden under the card?

Here is a square.

What fraction of the square is shaded?



This graph shows the distance some children walk to school.



Who walks between 300 and 400 metres to school?

Write in the missing numbers in this multiplication grid.

\times	5		
4	20	36	32
	35	63	56
	30	54	48

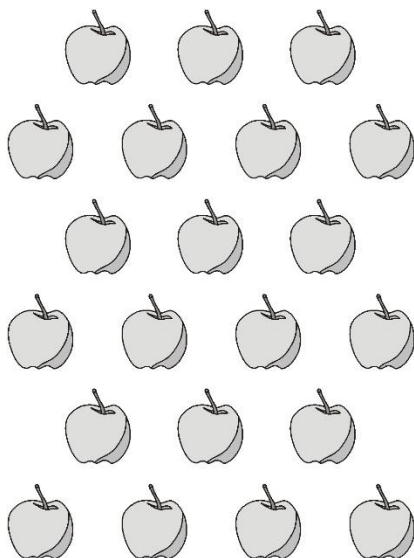
Write in the missing digits.

$$\begin{array}{|c|} \hline \\ \hline \end{array} 4 + \begin{array}{|c|} \hline 5 \\ \hline \end{array} \begin{array}{|c|} \hline \\ \hline \end{array} = \begin{array}{|c|c|c|} \hline 1 & 0 & 0 \\ \hline \end{array}$$

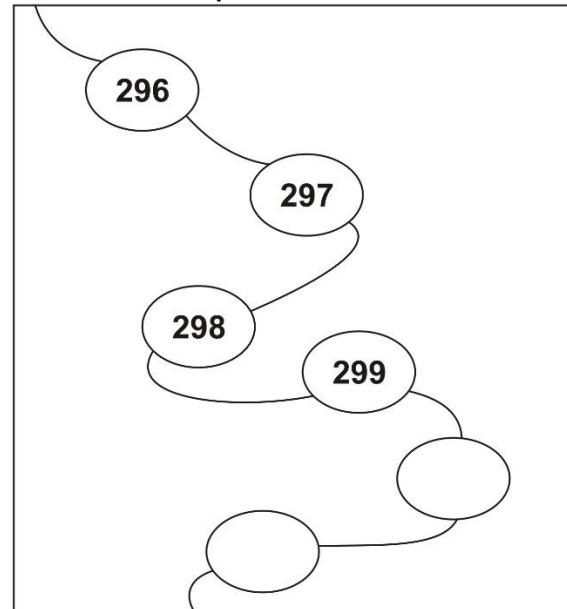
Write the missing numbers in the sequence.

$$\begin{array}{|c|} \hline \\ \hline \end{array} 24 \quad 32 \quad \begin{array}{|c|} \hline \\ \hline \end{array} 48 \quad 56 \quad \begin{array}{|c|} \hline \\ \hline \end{array}$$

Here are 21 apples.
Put a ring around one third of them.



Continue this sequence.



The four sums below can be completed using only the numbers 1 to 8

1 2 3 4 ~~5~~ ~~6~~ 7 8

Use each number once to complete the sums.
One sum has been done for you.

$$1 + \boxed{5} + \boxed{6} = 12$$

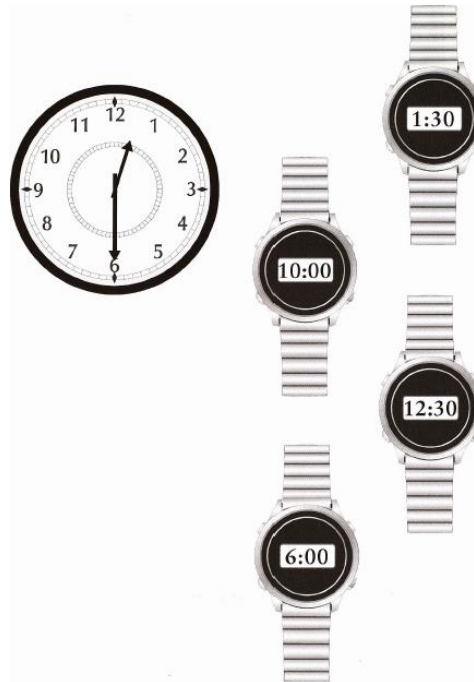
$$2 + \boxed{} + \boxed{} = 12$$

$$3 + \boxed{} + \boxed{} = 12$$

$$6 + \boxed{} + \boxed{} = 12$$

The clock shows the same time as one of the watches.

Draw a line to match the clock to a watch.



MENU		
Drink		25p
Apple		17p
Cake		32p
Crisps		20p
Chips		44p

Sally buys crisps and an apple.
Tick the coins she needs.



Here are four number cards.

45 55 67 32

Jade picks the two cards which have a difference of 22

Which cards does she pick?

and

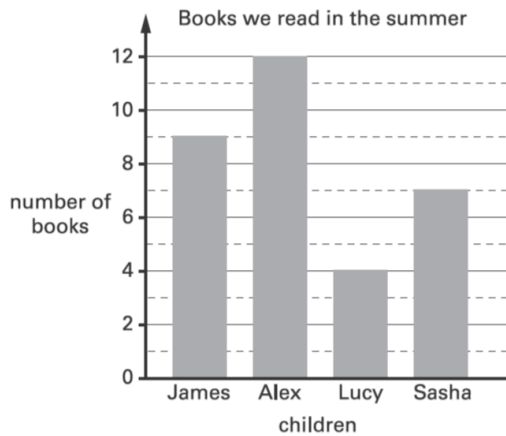
Circle two numbers which add up to 150

63	64	65	66	67
73	74	75	76	77
83	84	85	86	87
93	94	95	96	97

Ben wants to buy a packet of biscuits.
He gives the shopkeeper 65p
The shopkeeper says, 'You need 25p more to buy the biscuits.'
How much do the biscuits cost?



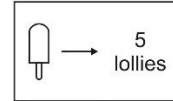
This graph shows the number of books some children read.



How many more books did James read than Lucy?

Which two children read between 5 and 10 books?

A shop sold 10 ice lollies on Wednesday.

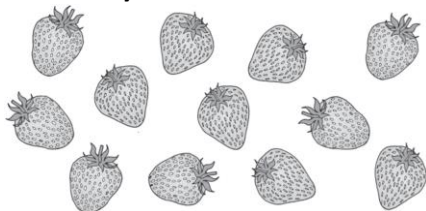


Number of lollies sold	
Monday	
Tuesday	
Wednesday	
Thursday	
Friday	
Saturday	
Sunday	

How many lollies were sold on Monday?

How many more lollies were sold on Tuesday than on Wednesday?

Some children share 12 strawberries. Each child gets 3 strawberries. How many children are there?



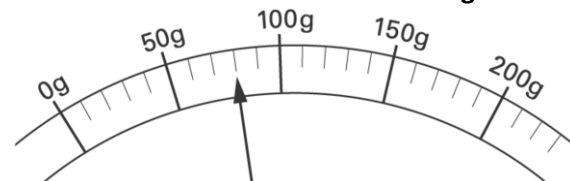
Write one of these signs in each empty box. You can use each sign more than once.

+	=	-
15	<input type="text"/>	73
73	<input type="text"/>	15
		88
		58

Mina has 76 marbles in a jar. The jar is about half full. Estimate how many marbles Mina will have when the jar is full. Circle the best estimate.

75 100 125 150 175

Here is a scale which shows the weight of a letter. How much does the letter weigh?



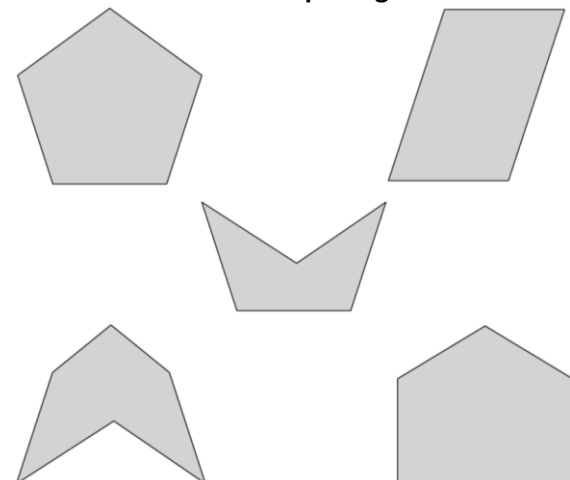
Sarah asked all the children in Year 3, 'Did you walk to school today?' The diagram shows her results.

	boys	girls
walked	19	25
did not walk	27	23

Sarah says, 'More children walked than did not walk.'

Is she correct? Explain how you know.

Put a tick in each of the pentagons.



On a school trip, 56 people visit the zoo. 23 are girls. 21 are boys. 5 are teachers. The rest are parents. How many are parents?

Sam has 256 stickers. Beth has 100 more than Sam. How many stickers does Beth have?

**Megan likes honey, but not jam.
Alfie likes honey and jam.
Chen does not like honey or jam.
Donna only likes jam.
Write the children's names in the correct parts
of the sorting diagram.**

The table shows the capacity of three containers.

Together, the beaker and the cup hold more than the mug. How much more?

Three whole numbers add up to 50
Seb says, 'All three numbers must be even numbers.'

Write these numbers in order.

Ben had 92 cards.
Sam gave him 10 more.
Flo gave him 100 more.
How many cards does Ben have now?

Two of these numbers round to 80
Circle the two numbers.

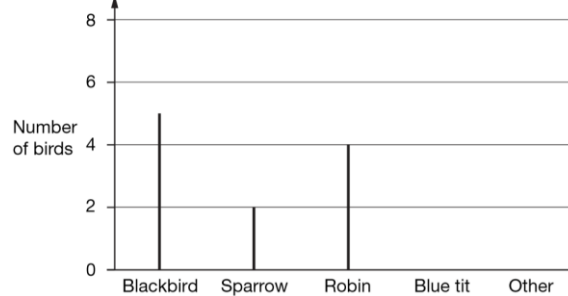
Circle the number closest to 500

$$80 + 70 = 190 \quad -$$

The time is 8:15
John has to be ready for school in half an hour.
Tick the time when he has to be ready.

Rosie collects data about birds visiting a bird table. Here are her results. Draw two more lines to complete the graph.

Blackbird	
Sparrow	
Robin	
Blue tit	
Other	



Five children have ticked this table to show on which days they are free to go out.

	Emma	David	Lin	Jack	Rosie
Mon		✓	✓		✓
Tue	✓		✓	✓	
Wed		✓			✓
Thu			✓	✓	✓
Fri	✓	✓			✓

On how many days are more than two children free to go out?

On which days are Lin and Rosie both free to go out together?

There are 21 children in Mr Bell's class. The number of boys is one more than the number of girls. How many boys and girls are there?

___ boys and ___ girls

Use all of these digits.

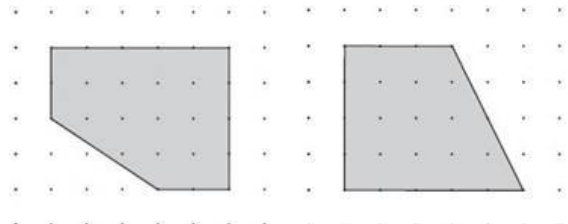
7

1

4

Write the lowest number.

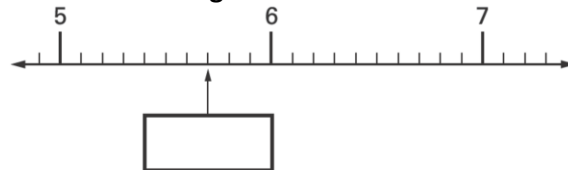
How many right angles do each of the shapes below have?



Each side of the number balance has the same answer. Write in the missing number.



Here is part of a number line. Write the missing number in the box.



Here are seven shapes.



Write the letters of the two shapes which are pentagons.

Arrange these decimals in order of size, with the smallest first.

4.7 14.9 2.4 4.2 0.5

smallest

Write these prices in order, starting with the smallest.

72p £2.70 £0.27 £7.20 £2.07

smallest

Look at these digit cards.



Use the cards to make an odd number greater than 500.

Sam cuts a pizza into ten equal pieces. He eats one piece. What fraction of the pizza does he eat?

What fraction of the pizza is left?

Write what the two missing digits could be.

6

2

+

9

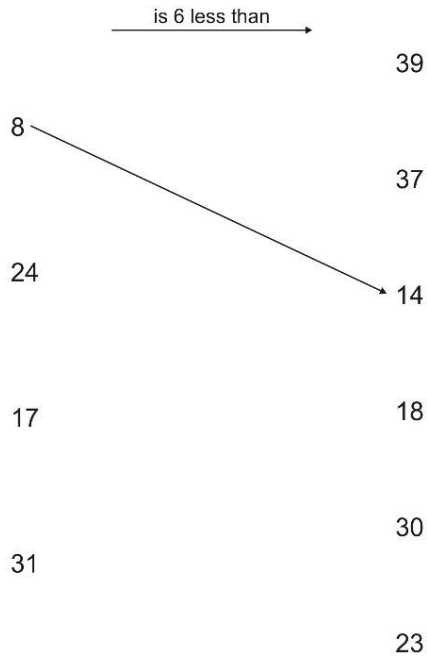
5

=

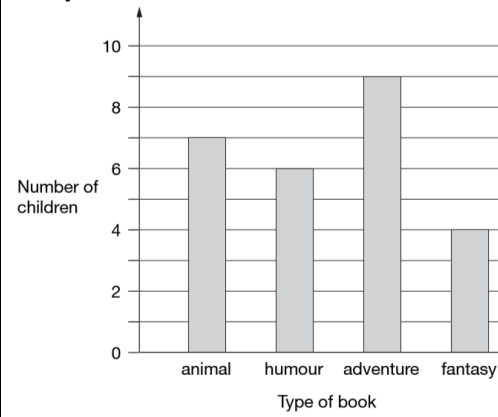
757



Draw arrows.



Class 6 did a survey of their favourite types of story book. Here are their results.



How many more children chose adventure books than fantasy books?

Five girls chose animal books.
How many boys chose animal books?

Look at these digit cards.



Use the cards to make the largest 3-digit number possible.

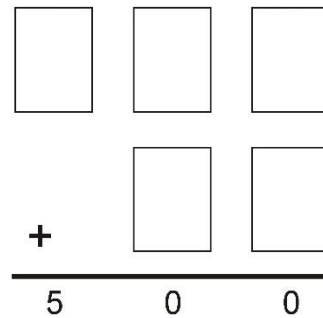


Use the cards to make the smallest 3-digit number possible.

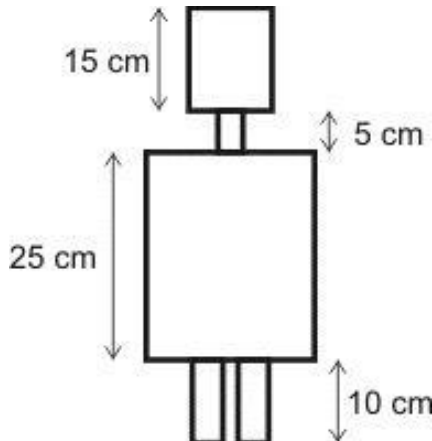


Here are five number cards.

Use all five cards to make an addition that has the answer 500



Jake makes a robot using boxes.
How tall is Jake's robot?



There are three classes at Park School.
There are 78 children altogether.

Children at Park School

Class	Number of children
Class 1	23
Class 2	30
Class 3	?

Calculate how many children are in Class 3

Roger picked 75 plums from his aunt's plum tree.
He gave 25 plums to his aunt, and kept the rest.
How many plums did Roger keep?

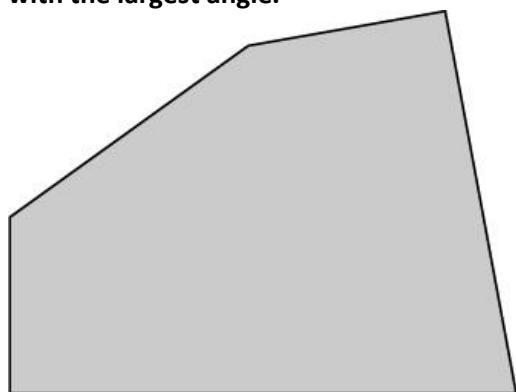
Mina buys 200 g of sweets.
She eats 80 g.
What mass of sweets are left?

Write in the missing digits.

$$593 - 20 \square = 3\square 1$$

28 children go swimming in groups of 4
How many groups will there be?

Look at this shape. Draw a cross in the corner with the largest angle.



Here are six number cards.



Use all the number cards to complete the two sums below.

$$\square + \square = \square$$

$$\square + \square = \square$$

Here are two signs

< >

Use the signs to make these correct.

52



17

19



91

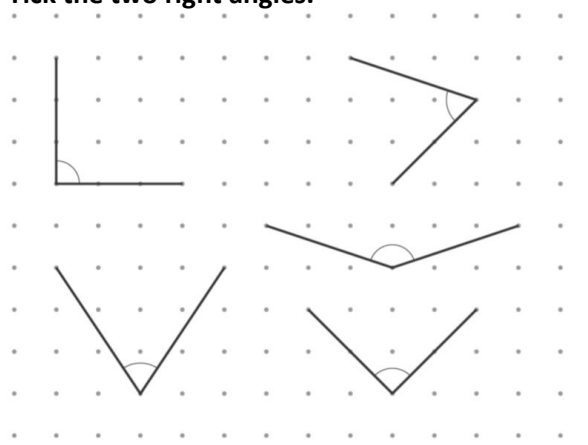
50



34

Here are some angles.

Tick the two right angles.



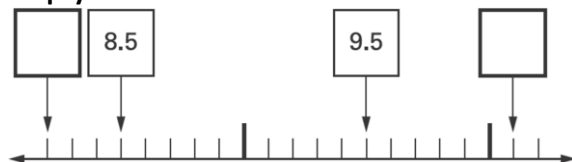
Sarah has a bag of 24 marbles.

$\frac{1}{3}$ of the marbles are red.

How many marbles are red?

Here is part of a number line.

Write in the numbers missing from the two empty boxes.



The signs are missing from these number sentences.

Write in the missing signs, + - \times or \div

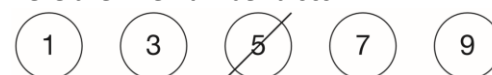
The first has been done for you.

$$6 \times 5 = 40 \quad \square \quad 10$$

$$20 \quad \square \quad 8 = 4 \quad \square \quad 7$$

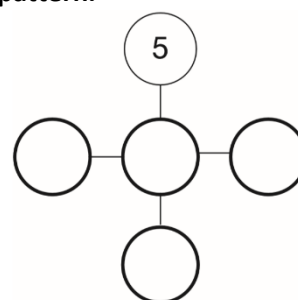
$$21 \quad \square \quad 3 = 15 \quad \square \quad 8$$

Here are five number discs.



Look at the cross pattern.

Use each disc once so that the total across is the same as the total down. One has been done for you.



Which of these numbers give 80 when rounded to the nearest 10?

Circle all the correct numbers.

84 87 72 76 90

Look at this number.

261

Write the digit that is in the hundreds place.

Write the digit that is in the tens place.

Write in the missing digits.

$$\begin{array}{|c|c|c|} \hline 1 & \square & 7 \\ \hline \end{array} + \begin{array}{|c|c|} \hline 6 & \square \\ \hline \end{array} = \begin{array}{|c|c|c|} \hline 2 & 0 & 0 \\ \hline \end{array}$$

Write in the missing digits.

$$\begin{array}{|c|c|} \hline \square & 7 \\ \hline \end{array} - \begin{array}{|c|c|} \hline 5 & \square \\ \hline \end{array} = 43$$

Class survey of favourite fruit drinks

flavour	number of children
pineapple	2
orange	10
blackcurrant	8
grapefruit	6
apple	9

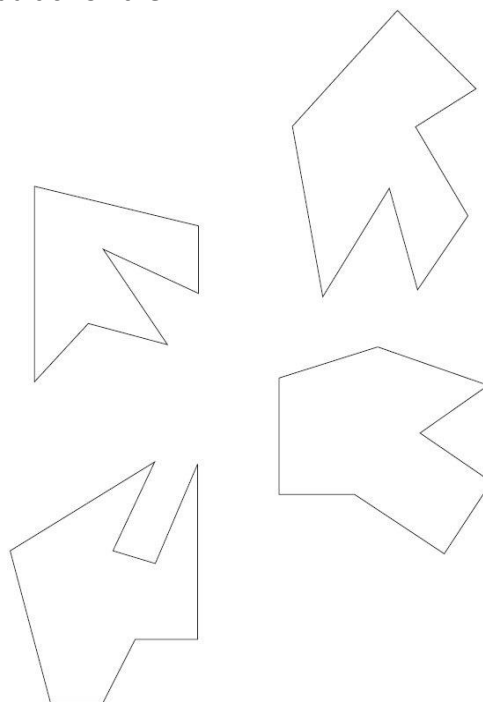
Complete the pictogram for the class.

flavour	number of children
blackcurrant	
apple	
orange	
pineapple	

How many children altogether chose the three most popular flavours?

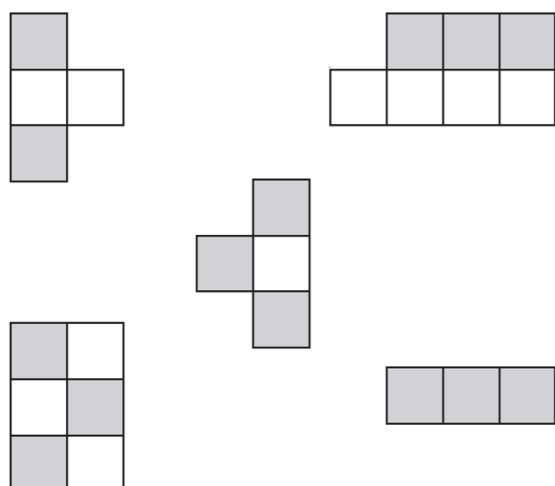
Here are some shapes.

Two of the shapes are octagons.
Put a tick on them.



Here are some shapes.

Tick the shape that has $\frac{3}{4}$ shaded.



Colour of cars we saw

colour	number of cars
red	18
yellow	5
green	3
blue	4
white	7
silver	8

What colour was the second highest number of cars?

Which two colours of cars were seen the least?



Choose three of these number cards to make an even number that is greater than 400



Sam put away $\frac{1}{8}$ of the washing.

Ben put away $\frac{2}{8}$ of the washing.

Dad put away the rest.

What fraction of the washing did Dad put away?

Zinzi has a rod 15 cubes long.

She breaks it into two pieces.

One piece is 1 cube longer than the other.

How many cubes are in each piece?

Write a number in each box to make this correct.

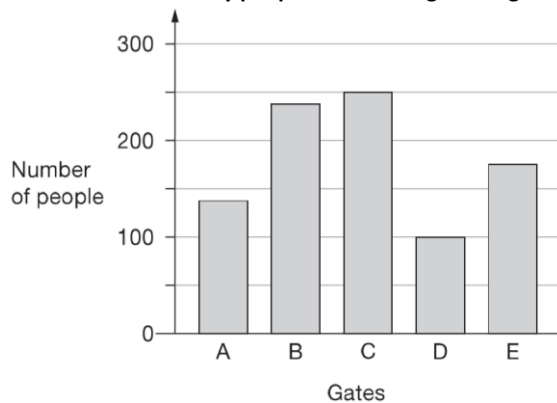
$$\boxed{} \times \boxed{} = 20$$

Circle the biggest fraction.

$\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{3}$ $\frac{1}{5}$

$$60 + 99 + \boxed{} = 340$$

There are five entry gates at an open air concert. This bar chart shows how many people went through each gate.



How many more people went through gate C than gate D?

How many gates had fewer than 150 people go through?

Each card on the left matches one on the right. Draw lines to match the cards which are equal in value. One has been done for you.

3×6

2×25

10×5

9×2

5×8

50×2

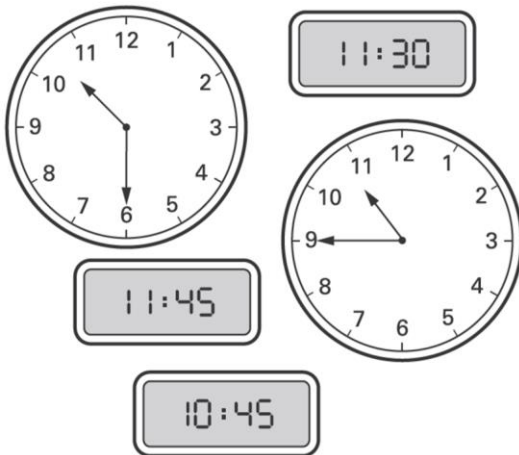
9×10

3×30

5×20

10×4

Two clocks show the same time. Tick them.

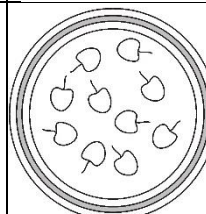


Complete the table.

Time in words	Digital time using 24 hour clock
quarter past 7 in the evening	19:15
ten past 11 at night	
	06:50

There are 22 people on the bus. At the bus stop, 8 people get off and 5 get on. How many are on the bus now?

28 people can sit in the bus. Two people can sit on each seat. How many seats are there?



Jack ate half the cherries on the plate. These are the cherries that were left.

How many cherries were on Jack's plate before he ate half of them?

Dan buys a toy that costs 60p. He pays the 60p with three coins. Circle three coins that he could use.



A shop sells postcards in packs of 6 and packs of 8.

Alan bought 4 packs of 8 cards. How many cards did he get?

Shereen bought some packs of 6 cards. Altogether she has 30 cards. How many packs of 6 did she buy?

Circle the time that is 30 minutes before midnight.

12:30am 12:30pm 11:30am
11:30pm 3am

Circle the number that is closest to 700

750 72 651 69 770



Jade says, 'I am 9 years old. My birthday is in July.'

Lauren says, 'I am 2 years younger than Jade. My birthday is in January.'

Write Jade and Lauren in the correct places on this sorting diagram.

Birthday month	
January to June July to December	
less than 9 years old	
Age 9 years old	
more than 9 years old	

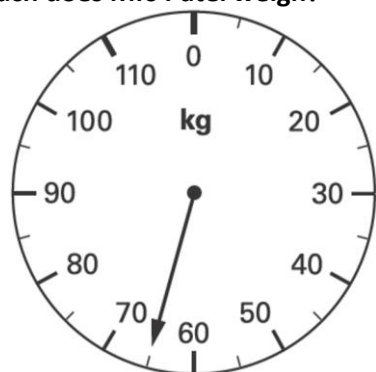
Sapna makes up a game using seven cards. Here are the cards.



Josh picks a card without looking. If Josh picks an odd number then Sapna scores a point. If Josh picks an even number then Josh scores a point.

Is this a fair game? Explain how you know.

The scale shows how much Mrs Patel weighs. How much does Mrs Patel weigh?

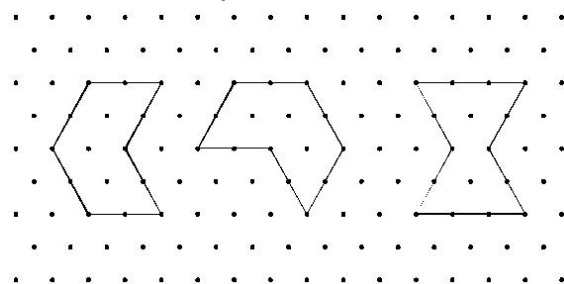


Here are some sentences about an amount of money.

Mark each sentence with a tick if it is correct. Put a cross if it is not correct.

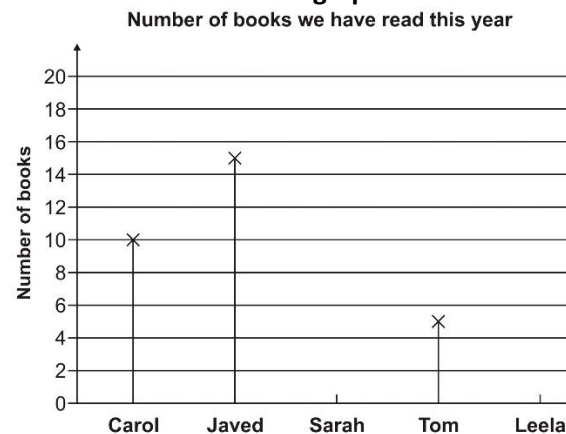
- £1.03 can be made with exactly 1 coin.
- £1.03 can be made with exactly 2 coins.
- £1.03 can be made with exactly 3 coins.
- £1.03 can be made with exactly 4 coins.

Look at these shapes.



Explain why the shapes are hexagons.

Some children drew this graph.



Sarah has read 12 books and Leela 9 books. Show these on the graph.

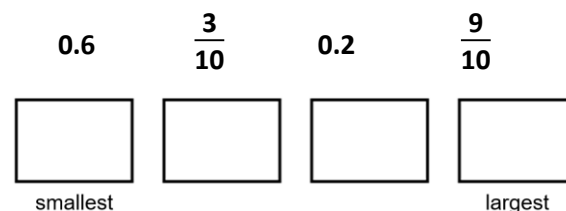
Javed has read more books than Tom. How many more?

Use these signs: $-$ $+$ $=$
You can use each sign more than once.
Write signs in the boxes to make these correct.

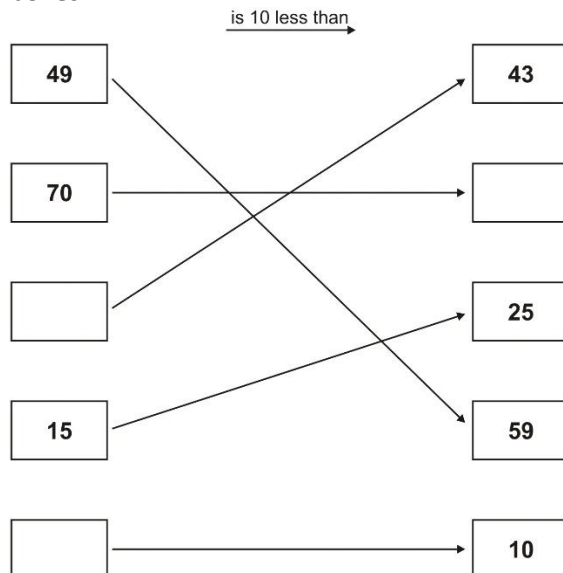
25 19 6

15 15 0

Write these numbers in order, starting with the smallest.



Write the correct numbers in the 3 empty boxes.



This table shows how many journeys a taxi driver made on five days and how much money he collected.

	number of journeys	money collected
Monday	23	£85
Tuesday	36	£112
Wednesday	18	£69
Thursday	31	£124
Friday	35	£109

How much money did he collect on the day that he made the most journeys?

How much more money did he collect on Monday than on Wednesday?

Here are six digit cards.



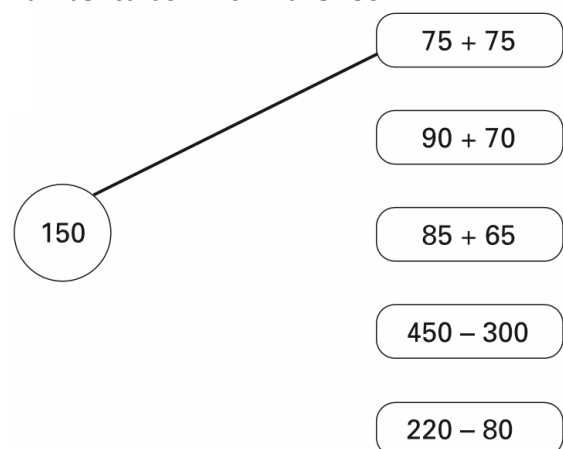
Use four of the cards to make this addition correct.

$$\square\square + \square\square = 40$$

One of these numbers does not belong in this set. Cross out the number that does not belong.

odd numbers
15
21
9
12
17

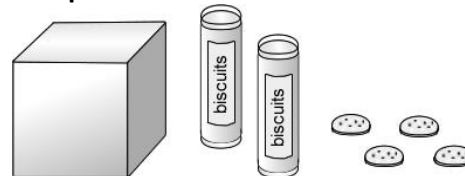
Draw lines to join the circle to two more number cards which make 150



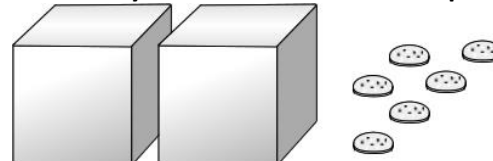
A tube holds 10 biscuits.

A box holds 100 biscuits.

This picture shows 124 biscuits.



How many biscuits are there in this picture?



Robin has these coins.
How much money does he have?



Jan is 9 years old.

Her mother is 31 years old.

How many years older is Jan's mother?
Circle which of these you could use to work out the answer.

40 - 31	31 + 9	31 × 9
31 - 9	40 - 9	

Mina has 200 ml of apple juice in her cup.
She drinks 140 ml.
How much juice is left?

75 children take part in a quiz.
There are 5 children in each team.
How many teams are there altogether?

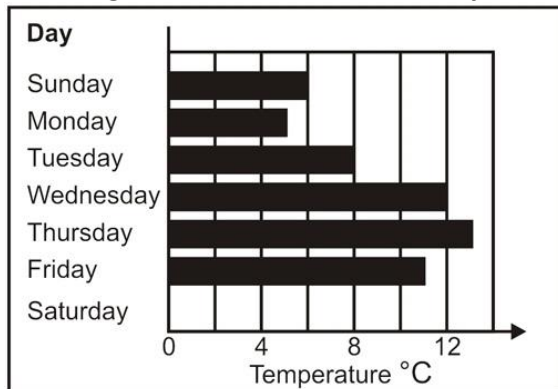


This is a list of the highest temperatures each day for one week.

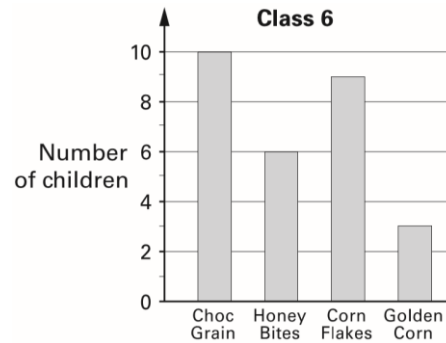
Day	Temperature
Sunday	6°C
Monday	5°C
Tuesday	8°C
Wednesday	12°C
Thursday	13°C
Friday	11°C
Saturday	7°C

How many degrees warmer was it on the hottest day than on the coldest day?

Here is a chart of the temperatures. Saturday is missing. Draw in the bar for Saturday.

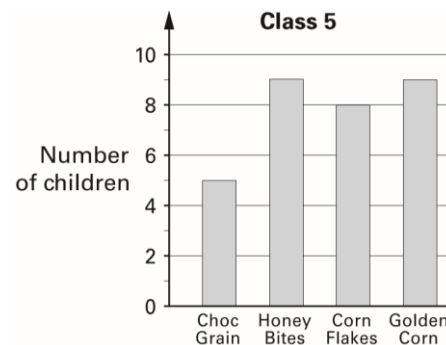


Tom does a survey of children's favourite breakfast cereals.



These are the results for Class 6

How many more children in Class 6 prefer Choc Grain than Golden Corn?



These are the results for Class 5

How many children in both classes like Honey Bites best?

Write these numbers in order of size.

456 299 901 472 575

smallest

Put these times in order, starting with the shortest.

5 minutes 20 seconds 1 minute 100 seconds

shortest

Seb has a box of 120 cubes.

He uses some of the cubes to build a tower. 77 cubes are left over.

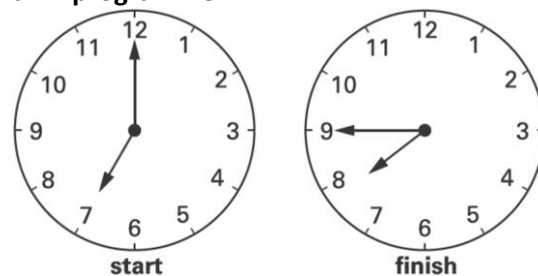
How many cubes has he used?

Seb has 77 cubes left over. He builds two more towers.

One tower uses 18 cubes and the other uses 35 cubes.

How many of his 77 cubes has he got left now?

These clocks show the start and finish times of a TV programme.



For how many minutes does the programme last?

$$55 + 45 = 120 - \boxed{}$$

$$1 + 10 + \boxed{} = 100$$

Write these amounts of money in order of size, starting with the smallest amount.

£5.40 £0.65 72p £10 £2.88

smallest

Ben cuts a pizza into 8 equal slices.

Ben eats $\frac{5}{8}$ and Sue eats $\frac{1}{8}$ of the pizza.

What fraction of the pizza is left?

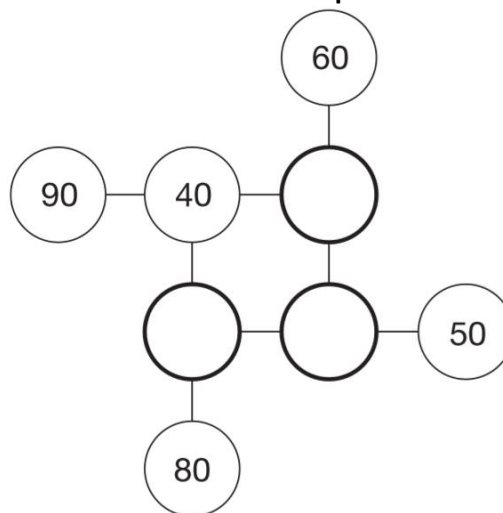
The table shows the number of shirts in a shop.

	White	Not White
Cotton	27	56
Not cotton	74	90

How many shirts are white?

How many shirts are there altogether?

Complete this diagram so that the three numbers in each line add up to 150



Dan's book has 42 pages.
Dan has read about half the number of pages.
About how many pages could this be?
Circle the number.

10 20 30 40 50

Sapna and Robbie have some biscuits.
Altogether they have 14 biscuits.
Sapna has 2 more biscuits than Robbie.
How many biscuits do Sapna and Robbie each have?

It is a three-digit number.
All the digits are odd.
The digits add up to 7.
What could my number be?

--	--	--

In these calculations, each missing sign is a + or a -
Write the missing signs in the circles.

$$8 \bigcirc 7 \bigcirc 6 \bigcirc 5 = 2$$

$$8 \bigcirc 7 \bigcirc 6 \bigcirc 5 = 4$$

There are 24 children in the nursery.
4 boys and 5 girls go outside.
How many children are left inside the nursery?

Write these prices in order from smallest to largest.

99p £10.50 £0.75 £9 £2.05

▶	▶	▶	▶	▶
smallest				largest

Dinesh is thinking of a number.
He says, 'It is more than 7. It is less than 20. It is an odd number.'
Write one number Dinesh might be thinking of.

Circle all the fractions that are bigger than $\frac{1}{5}$.

$\frac{1}{6}$ $\frac{1}{4}$ $\frac{1}{7}$ $\frac{2}{5}$

Mr Patel bought wood to make two shelves.
The first shelf was 2.8 m long.
The other shelf was 3.9 m long.
What is the shortest length of wood Mr Patel has to buy to make the two shelves? Circle the correct answer to the nearest metre.

3 m 4 m 5 m 6 m 7 m 8 m

Here are three digit cards.

5	7	3
---	---	---

Use the cards to make the number nearest to 400

--	--	--



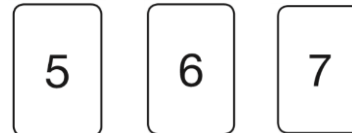
Peter and Stella compare colours they like and do not like. Here is a sorting diagram that shows their results.

	Peter likes	Peter does not like
Stella likes	red black	white orange
Stella does not like	purple green	yellow

Write the two colours that Stella likes but Peter does not like.

Peter likes the colour blue but Stella does not. Write blue in the correct place on the sorting diagram.

Here are three digit cards.



Use each card once to make these statements correct.

$$\begin{array}{|c|c|} \hline 4 & 6 \\ \hline \end{array} < \begin{array}{|c|c|} \hline & 2 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 5 & 6 \\ \hline \end{array} > \begin{array}{|c|c|} \hline & 0 \\ \hline \end{array}$$

$$\begin{array}{|c|c|} \hline 7 & 6 \\ \hline \end{array} < \begin{array}{|c|c|} \hline & 7 \\ \hline \end{array}$$

The number 20 goes in two of the squares of this multiplication grid.

Tick the two squares where 20 goes.

×	1	2	3	4	5
1					
2					
3					
4					
5					

Rosie collects data about birds visiting a bird table. Here are her results.

Bird	Count
Blackbird	
Sparrow	
Robin	
Blue tit	
Other	

Rosie saw 20 birds altogether.

What fraction of the birds were blackbirds?

Here are three signs.

= < >

Write in the signs to make these correct.

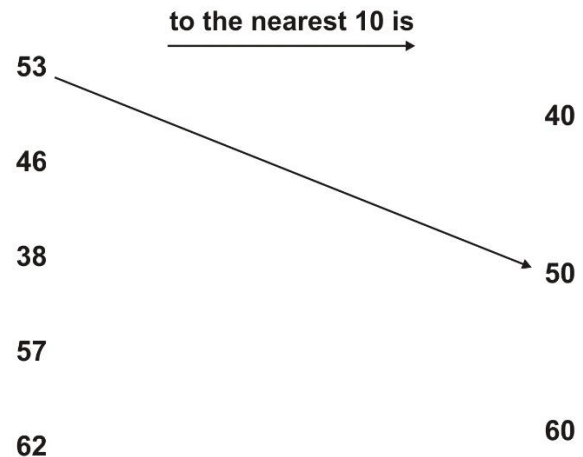
$$100 \quad \square \quad 10 \times 10$$

$$100 \quad \square \quad 15 \times 5$$

$$100 \quad \square \quad 20 \times 6$$

Round each number to its nearest 10

Draw arrows.

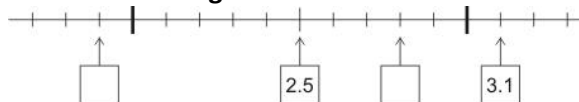


Raj thinks of a number.






He says, 'If I subtract 14 from it, I get 29'

What is Raj's number?

Write the missing numbers in the boxes.



60 children visit the zoo.
They each vote for their favourite big cat.
Complete the table.

favourite big cat	number of children
cheetah 	7
lion 	22
tiger 	13
panther 	
leopard 	10
total	60

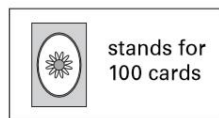
Now look at each sentence below.
Put a tick if it is true.

Nine more children voted for the lion than for the leopard.

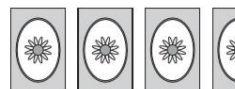
The lion was more popular than the tiger.

$\frac{1}{4}$ of the children voted for the tiger.

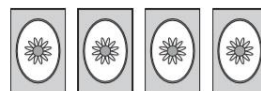
A shop sells different kinds of greeting cards.
This pictogram shows how many they sold in a week.



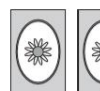
Birthday cards



Thank You cards



Get Well cards



Estimate how many Birthday cards were sold.

Estimate how many more Thank You cards than Get Well cards were sold.

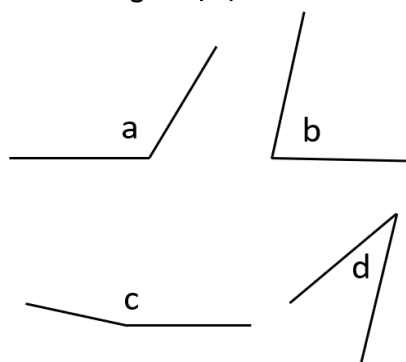
Josie has these coins.



Circle all the amounts she can make using only two coins each time.

61p 52p 20p £1.05 80p

Look at angles a, b, c and d.



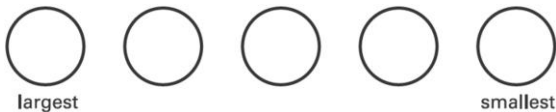
Write the angles in order of size, starting with the smallest.

smallest

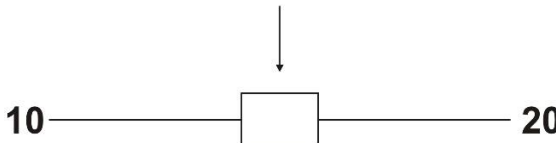
8 metres of rope is cut into 4 equal lengths to make skipping ropes.
How long is each skipping rope?

Dan and Ben ran in a race.
Dan took 25 seconds.
Ben was 3 seconds faster.
How many seconds did Ben take?

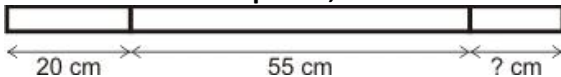
209 565 450 405 124
Write these numbers in order in the circles.



Write the missing number which is halfway between these two numbers.



Jude has a stick measuring 90 cm.
He cuts it into three pieces, as shown.



How long is the last piece?

Write the missing number.

$$\boxed{12} \times \boxed{5} = \boxed{27} + \boxed{}$$



Here are three clock faces.
Match each clock face to the same time on a digital clock.



11:10



2:55



1:40

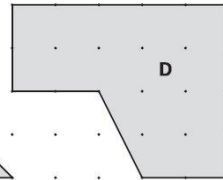
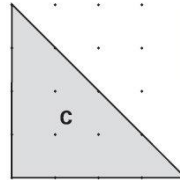
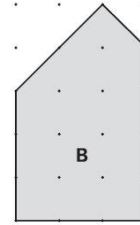
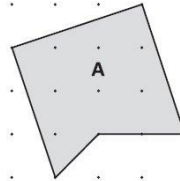
8:10

6:35

7:35



Here are four shapes. They each have a different number of right angles.

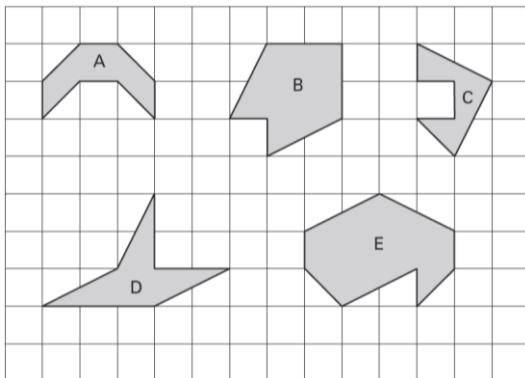


Write the letter for each shape in the correct order. One has been done for you.

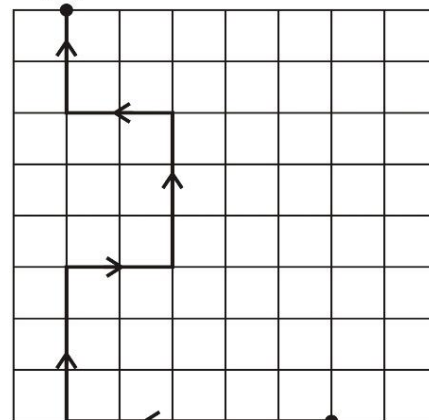
fewest right angles			most right angles
C			



Here are five shapes on a grid.
Write the letters of the two shapes that are octagons.



STOP



START

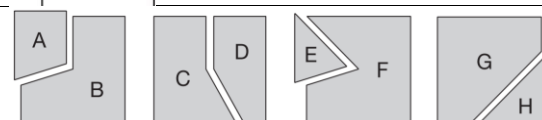


Complete this sequence.

7
11
19
23
27

Follow this route with your pencil.
Complete this chart showing the route from START to STOP.

START
left 5
up 3
right 2
STOP

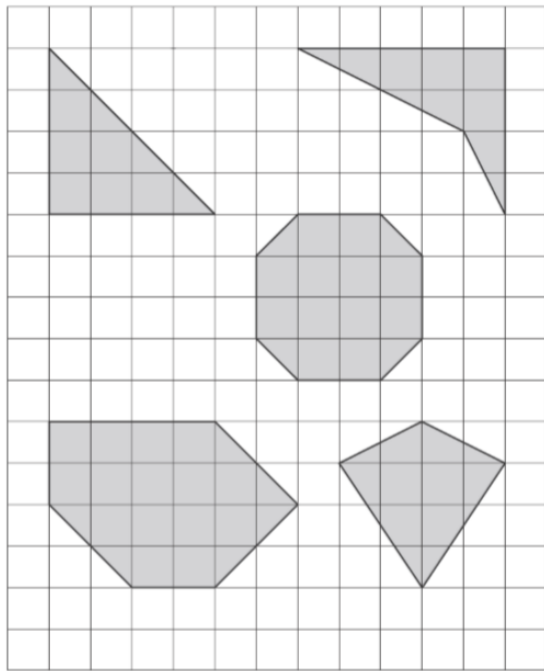


Each of these four squares has been cut into two new shapes. Write the letters of all the new shapes that are hexagons.

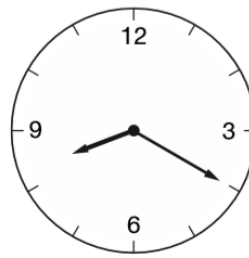
Write the letters of all the new shapes that are pentagons.



Here are some shapes on a square grid. One of the shapes has two right angles. Tick the shape.



Here are two clock faces. Join each clock face to the correct digital time.



9:20

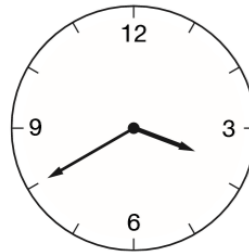
3:40

4:40

8:40

8:20

4:20



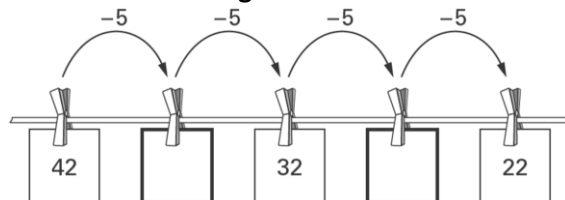
Here are four digit cards.



Use all four digit cards to make this sum correct.

$$\boxed{}\boxed{} + \boxed{}\boxed{} = 100$$

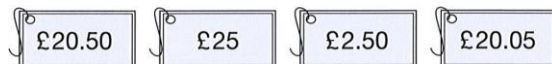
Write in the missing numbers.



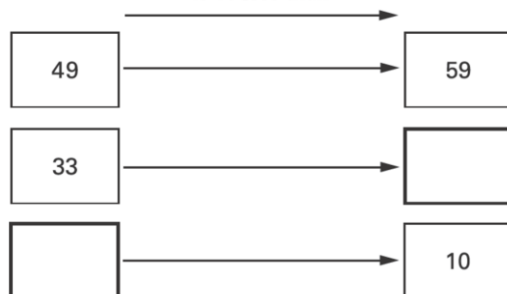
Tom and Nadia have 16 cards each. Tom gives Nadia 12 of his cards. How many cards do Tom and Nadia each have now?

Lucy also has 16 cards. She gives a quarter of her cards to Kiran. How many cards does Lucy give to Kiran?

Write these prices in order, starting with the smallest.



Write the missing numbers in the two empty boxes. is 10 less than



Luke sorts a set of numbers to find those that are odd. He says, 'I only need to look at the last digit to know if a number is odd.' Is Luke correct? Explain how you know.

There are 5 ice-creams in a box. Alex buys 7 boxes of ice-creams. How many ice-creams does she buy altogether?

Four children share an apple equally. What fraction of the apple does each child get?

Write two numbers, each greater than 100, to complete this subtraction.

$$\boxed{}\boxed{}\boxed{} - \boxed{}\boxed{}\boxed{} = 208$$

Continue the number sequence in both directions.



This table shows the increase in bus fares.

Bus Fares	
old fare	new fare
42p	48p
52p	57p
60p	72p
75p	85p
90p	£1.05
£1.20	£1.28

Sohan's new bus fare is 72p.

How much has his bus fare gone up?

Millie says, 'My bus fare has gone up by 10p.'

How much is Millie's new bus fare?

Here are five digit cards.



Use each card once to complete the statements below.

$$\boxed{}8 > 5\boxed{}$$

$$\boxed{}0 < 2\boxed{}$$

$$\boxed{} > 7\boxed{}$$

Katie has these digit cards.



She makes different 2-digit numbers with them. Write all the 2-digit numbers Katie can make with them.

Here is a Carroll diagram for sorting numbers. Write these five numbers in the correct places on the diagram.

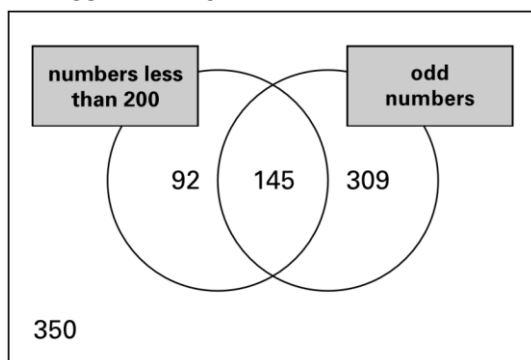
25 247 7002 49 990

	odd	not odd
a 3-digit number		
not a 3-digit number		

Write these numbers in the correct places on the Venn diagram.

Some numbers are already placed.

99 170 221



Write in the numbers missing from the white squares.

	2	4	6
8	10		
16			

sweets 35p juice 30p

Sarah has 90p. She buys a packet of sweets and a carton of juice.

How much money does she have left?

Annie ate $\frac{1}{8}$ of the pizza.

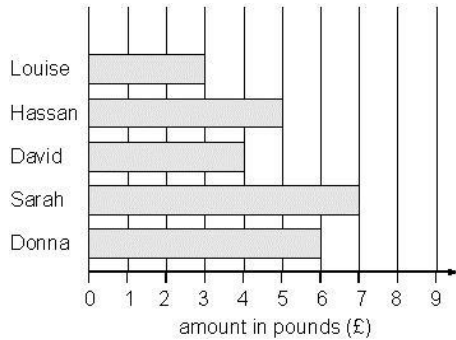
Grace ate $\frac{2}{8}$ of the pizza.

Tom ate the rest.

Who ate the most pizza?



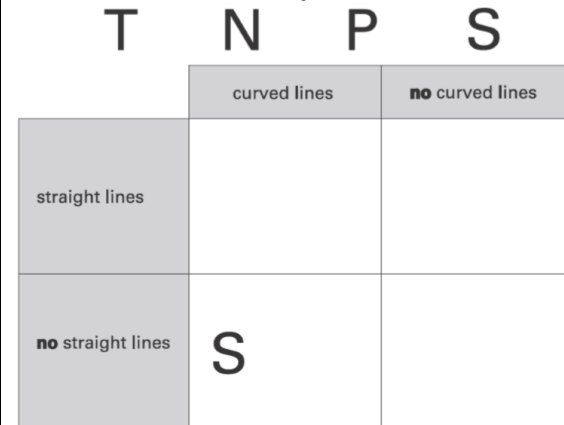
Five children collect money to plant trees. Here is a bar chart of the amounts they have raised so far.



Their target is £40 altogether. How much more money do they need to reach the target?

Write each letter in the correct place on the diagram.

One has been done for you.



Each side of this square must add up to 80. Write in the missing numbers.

30	40	
		50
20	40	20

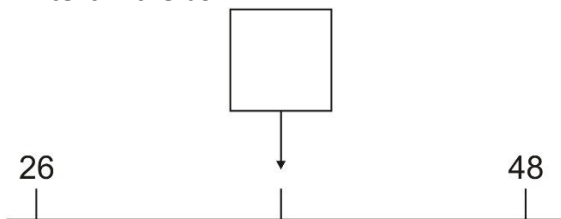
Dev says, 'When you halve any number that ends in 8 the answer always ends in 4'. Is he correct? Explain how you know.

Becky has finished reading the ninth page of her book. There are 32 pages in her book. How many more pages has she left to read?

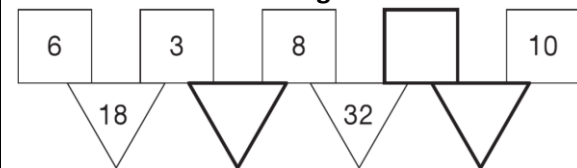
The numbers in this sequence increase by the same amount each time. Write the two missing numbers.

610 650 690

Work out the number halfway between 26 and 48. Write it in the box.



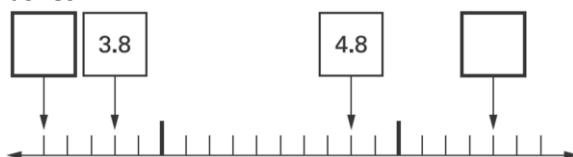
In this diagram, the rule is: 'to make the number in a triangle, multiply the numbers in the two squares above it.' Write in the three missing numbers.



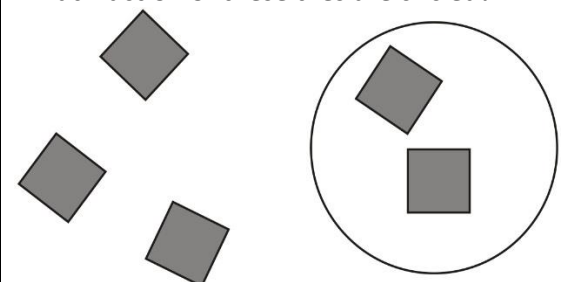
54 children get on a coach. 23 of them are girls. How many are boys?

Apples are sold in packets of 4 at the supermarket. How many apples are in 72 packs?

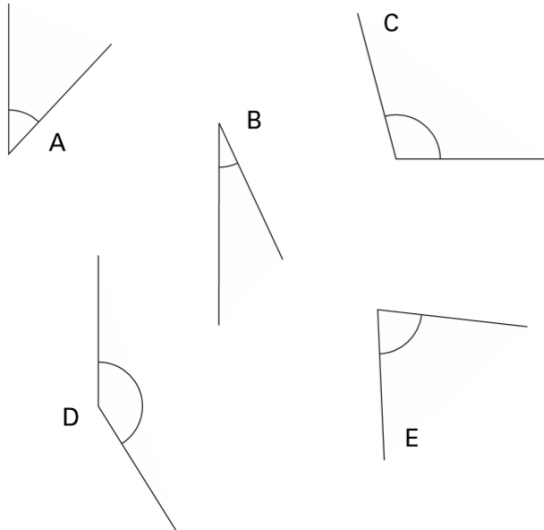
Here is part of a number line. Write the missing numbers in the two empty boxes.



What fraction of these tiles are circled?



Here are some angles.



Put the angles in order of size, starting with the smallest.

Write the correct letters in the boxes. One has been done for you.

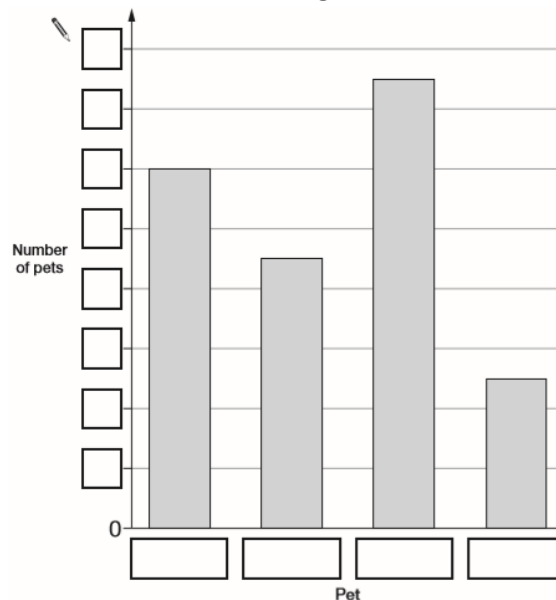
		E		
smallest				largest

Alfie collected information about the pets owned by children in his class.

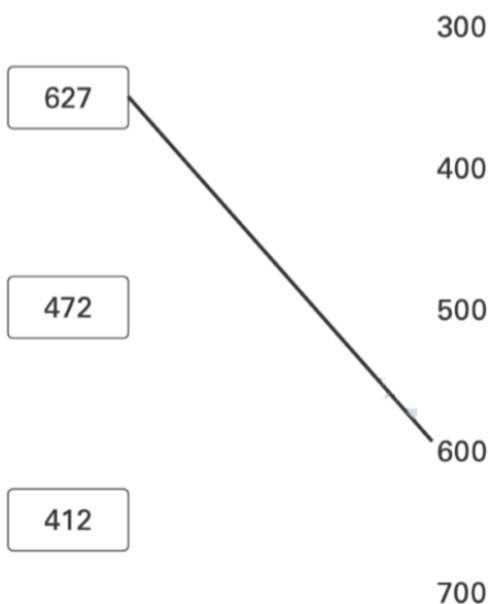
Here are his results.

Pet	Number of pets
dog	9
cat	12
rabbit	5
fish	15

This bar chart shows the information from the table. Fill in all the missing labels.



Round each number in a box to the nearest 100



This table shows where 100 people went on holiday in 2007 and 2008.

	2007	2008
Spain	18	26
England	38	17
Scotland	21	13
Wales	19	28
USA	4	16

How many more people went to Wales than to Scotland in 2008?

Which country had the greatest increase in visitors from 2007 to 2008?

Seb saved up for a new skateboard that cost £40

The table shows how much money he saved each week.

Week number	1	2	3	4	5	6	7	8	9	10
Amount saved	£5	£4	£2	£4	£3	£4	£6	£4	£3	£5

In which week did Seb reach half the amount he needed for the skateboard?

The time is 10:35am.

Kate says, 'The time is closer to 11:00am than to 10:00am.'

Explain why Kate is correct.

24 **smallest** Put different numbers in the circles so that all seven numbers are in order.

300

307

512 **largest**

Draw two straight lines from point A to divide the shaded shape into a square and two triangles.

Draw a line to join two other numbers which have a total of 700

360 125

225 340

325 440

475

Complete the table.

numerals	words
38	thirty-eight
269	
	Five hundred and four

Match all the times to the correct time of day. One is done for you.

9 am Morning

2 pm Afternoon

11:30 am

11:30 pm Night

Five children made a graph. Hazel is 135 cm tall. Show this on the graph.

Our height in centimetres

Child	Height (cm)
Graham	145
Philip	130
Anna	105
Hazel	135
John	95

Write the two missing digits.

1 - 2 = 34

Circle the number that is closest to 250

261 246 255 209 275

Circle the number closest to 100

70 120 85 111 909

There are 104 children at Delton School. 48 children are girls. How many are boys?

120 + + 70 = 500

How many 5p coins equal 50p?



Draw a line to match each of the four numbers to the nearest hundred.

531

617

253

484

200

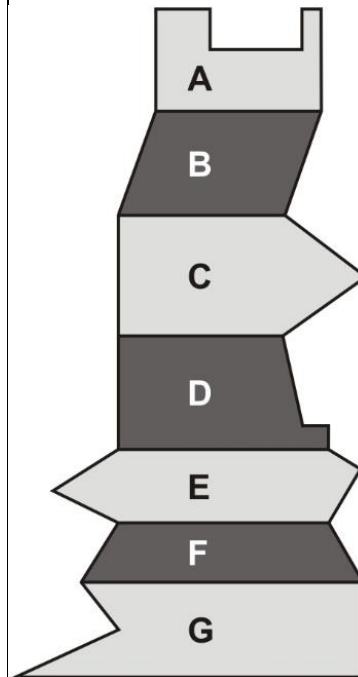
300

400

500

600

700



Here are 7 shapes.

How many of the shapes are octagons?

Which two shapes are hexagons?

A book has five stories in it. This is the contents page.

Contents	
	page
Rocket Ship	5
Night Journey	17
Secret Palace	25
Jack	41
Deep Water	59

Deep Water finishes on page 68
Which is the longest story?

Make £1.75
Circle each coin you choose.



Mina and Annie stand on some scales. They weigh 72 kg together. Annie weighs 34 kg. How much does Mina weigh?

Tom ate $\frac{3}{9}$ of the chocolates.

Maria ate $\frac{2}{9}$ of the chocolates.

What fraction of the chocolates is left?

Here are some digit cards.



Write all the three-digit numbers, greater than 500, that can be made using these cards. One has been done for you.

626

Nisha says, 'When you halve any even number, the answer is always an odd number.' Is she correct? Explain how you know.

There are 45 people on a coach. 17 people get off. How many people are left on the coach?

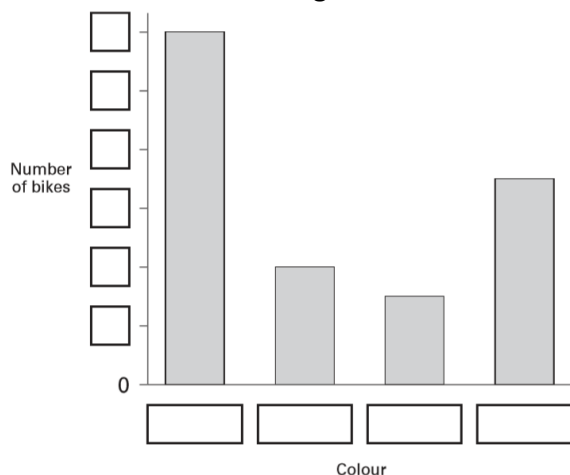
$\frac{3}{8}$ of a class are boys. What fraction of the class are girls?



Robbie collected information about the colours of some bikes. Here are his results.

Colour	Number of bikes
green	4
red	7
blue	12
pink	3

This bar graph shows the information from the table. Fill in all the missing labels.



Match each clock to the correct time. One has been done for you.

1:45

half past ten

ten to seven

9:10

Join each number to the set of numbers that it belongs to. One has been done for you.

357

199

73

1000

224

1 to 100

101 to 200

201 to 300

301 to 400

401 to 500

greater than 500

In this block, the pairs of numbers joined together have a difference of 7. Join one more pair of numbers which has a difference of 7.

9 — 2

12

6 — 7

14

13 — 30

15

18 — 12

8

Five children estimated how many cubes were in the jar. There were exactly 50 cubes. Tick the estimate which was the nearest.

40

46

58

100

164

Here are four digit cards.

3

4

5

6

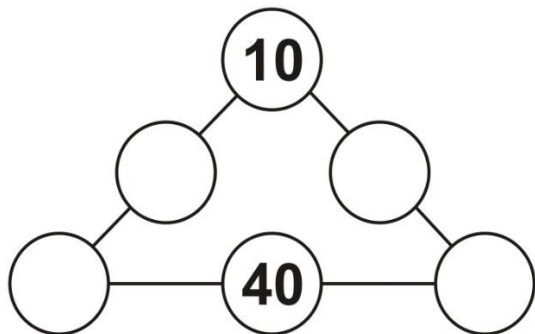
Use three of them to make this correct.

- = 47

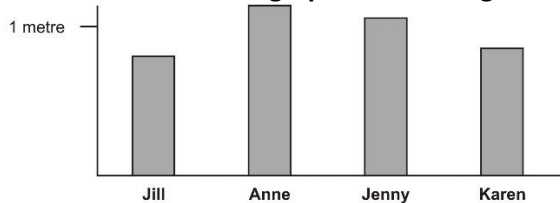
Annie, Joe and Sam made paper chains. Altogether the paper chain measured 35 m. Annie made 18 m. Joe made 9 m. How much did Sam make?

Liam hires a bike. He has to return it by 3 pm. The time is 2:25pm. How many minutes has he got left?

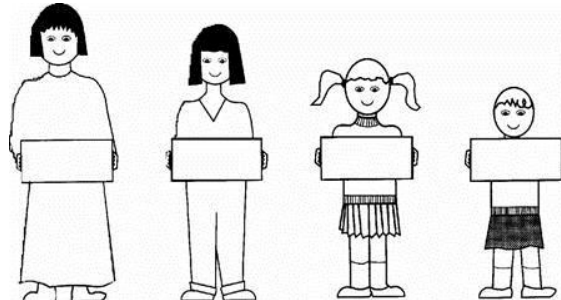
This is a number triangle with some numbers missing.
The numbers along each edge must add up to 90
Put all the numbers 20, 30, 50 and 60 in the circles to make the totals correct.



Four children made a graph of their heights.



Write their names on the labels.

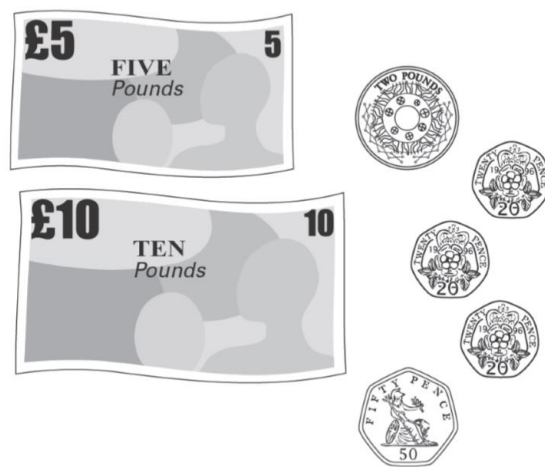


Match each box to the correct number.
One has been done for you.

$\frac{1}{2}$ of 30
 $\frac{1}{3}$ of 75
 $\frac{1}{5}$ of 150

45
40
35
30
25
20
15

Reshma has some notes and some coins.



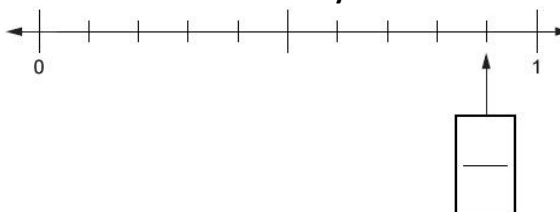
How much money does Reshma have?

Complete the table.

	+10 →		
+100 ↓	770	780	790
	870		890
	970		

Here is part of a number line.

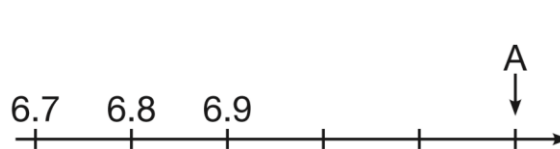
Write the fraction shown by the arrow.



Here are some amounts of money.
Circle all the amounts that can be made with three coins.

71p 72p 73p 74p 75p

What number is marked at A?

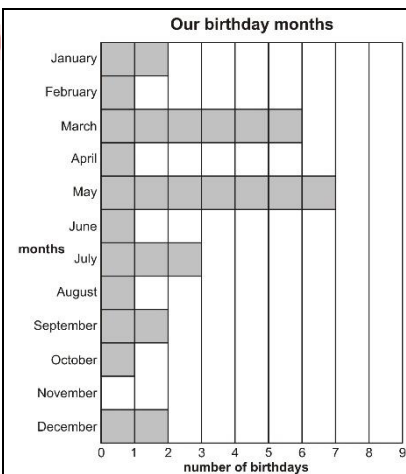


Write in the missing digit.
The answer does not have a remainder.

$$\begin{array}{r} 26 \\ 3 \overline{) \square 8} \end{array}$$

There are 5 balloons in a packet.
There are 18 packets in a box.
How many balloons are there altogether in a box?

There are 5 balloons in a packet.
Kofi needs 65 balloons.
How many packets does he need?



Some children made a graph.

In which months are there more than five birthdays?

How many children were born from July to December?

Here is a table showing the number of children at five schools.

School	Number of children
Robin Hill	171
Maddox	118
Park	180
Wooding	109
Farm Road	155

Tick the school with the most children.

Use each number card once to make the answer to each calculation an even number.

3

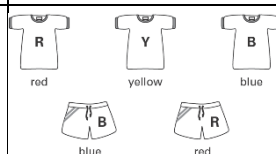
4

5

$5 \times \boxed{}$

$12 \div \boxed{}$

$9 + \boxed{}$



Vijay has these t-shirts and shorts. He can choose which t-shirt and shorts to wear.

Complete the table to show all the different ways. One has been done for you.

t-shirt	shorts
R	B

Use only these numbers.

4

8

12

16

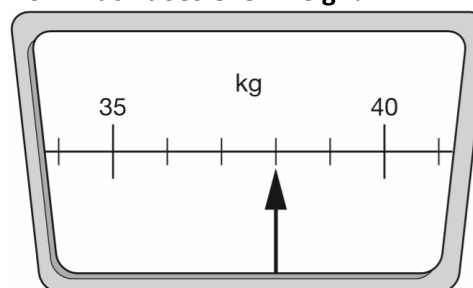
20

Write numbers in the boxes to make these correct. Numbers can be used more than once.

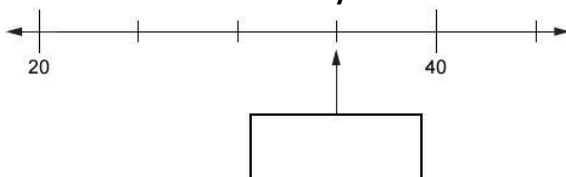
$\boxed{} + \boxed{} = \boxed{}$

$\boxed{} - \boxed{} = \boxed{}$

This scale shows how much Chen weighs. How much does Chen weigh?



Here is part of a number line. Write the number shown by the arrow.



Look at each number sentence. Put a tick if it is correct. Put a cross if it is not correct.

$8 \times 2 = 8 + 8$

$3 \times 10 = 3 + 3 + 3$

$5 \times 4 = 5 + 5 + 5 + 5$

The sum of two numbers is 100. Write in the missing digits.

$\boxed{3} \boxed{} + \boxed{} \boxed{3} = \boxed{1} \boxed{0} \boxed{0}$

Circle the number which is nearest in value to 750

570 699 810 852 1050

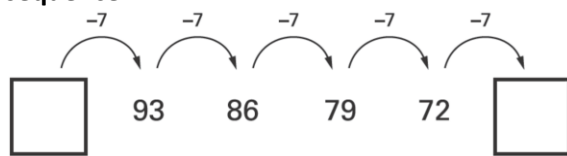


$$222 = 100 + \boxed{} + 2$$

Circle the number that is closest to 300

338 3030 288 313 130

Write the two missing numbers in this sequence.

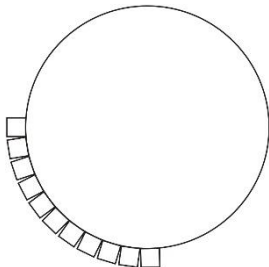


Annie is 134 cm tall.

Sam is 148 cm tall.

How much taller is Sam than Annie?

The outside of this circle has 11 squares fitted around part of it.

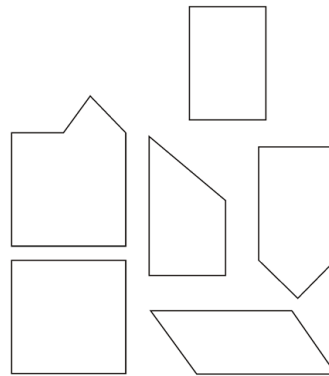


About how many squares could be fitted around the whole circle?

Tick the answer.

80 40 25 100 65

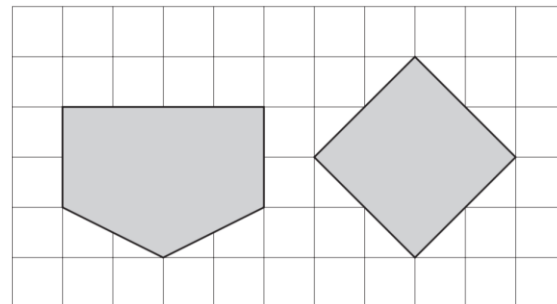
Tick the shape that has 4 corners and only 2 right angles.



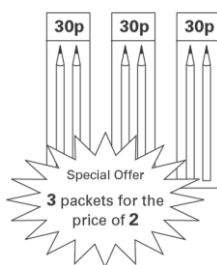
Joe has a box of 72 chocolates.
He gives 18 of the chocolates to his friends.
How many chocolates are left in the box?

Holly has a box of mints.
She has 10 friends.
She gives them 5 mints each.
She has 13 mints left.
How many mints were in the box at the start?

Here are two shapes on a square grid.
For each shape, write how many right angles it has.



A shop has these special offers.



Joe wants to buy 6 pencils.
Which is the cheaper offer?
Explain how you know.

A school has sports day.

The winner of each event scores 10 points.
This chart shows the points scored by each team.

Event	Team				
	Red	Green	Blue	Yellow	White
100m	8	6	2	10	4
Long jump	10	2	6	4	8
Relay	4	6	8	10	2
High jump	8	2	10	6	4

How many events did the Yellow team win?

Which team came second in the relay?

Annie finishes school at ten past 3 in the afternoon. Circle the 24 hour clock that shows ten past 3 in the afternoon.

03:10 10:03 13:10
15:10 10:15

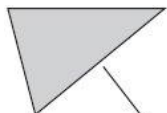
Use any of these numbers.

12 3 9 18 6

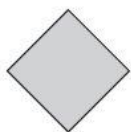
Write one number in each box to make a correct sum.

$$\boxed{} = \boxed{} + \boxed{}$$

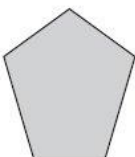
Match each shape to its correct name.
One has been done for you.



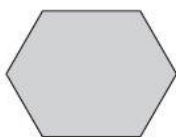
hexagon



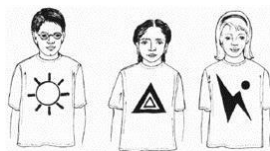
square



triangle






pentagon



Patterns are printed
on T-shirts.
A shop sells 3 sizes of
T-shirt, small, medium
and large.

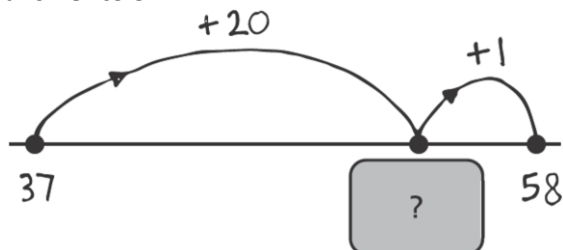
The table shows the number of T-shirts sold in
one week.

T-shirts sold in one week			
Sizes	Pattern		
			
small	8	17	15
medium	11	14	9
large	14	5	8

How many medium T-shirts are sold in the
week?

How many T-shirts with  on them are sold in
the week?

Katie draws a number line to help her find the
answer to $37 + 21$



What number is hidden under the card?

Write in the missing digits.

$$\begin{array}{r}
 2 \square 8 \\
 + 29 \square \\
 \hline
 555
 \end{array}$$

Mina and Ben play a game.
Mina scores 70 points.
Ben scores 42 points.
How many more points does Mina score than
Ben?

Raj put the cake in the oven at 4:00pm.
He took the cake out of the oven after $1\frac{1}{2}$
hours.
At what time did he take the cake out of the
oven?

Here are three
digits.
Use all the digits 6, 1 and 3 to write a number
that is between 100 and 140

Use all the digits 6, 1 and 3 to complete this
subtraction.

$$\begin{array}{|c|c|} \hline \square & \square \\ \hline \end{array} - \begin{array}{|c|} \hline \square \\ \hline \end{array} = 25$$

Lin needs to solve this problem.
'How many children are in the class?'
Tick all the information that Lin needs to solve
her problem.

There are 9 girls in the class.

5 girls in the class wear glasses.

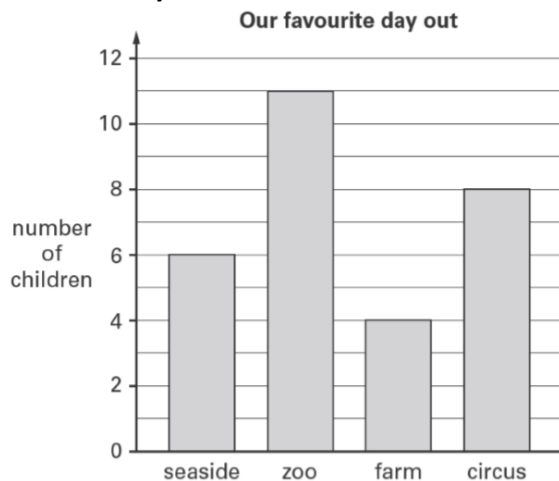
There are twice as many boys as girls in the
class.

$\frac{5}{7}$ of the week had sunny days.
What fraction of the week did not have sunny
days?

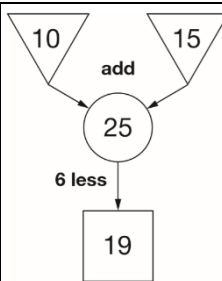
Here is a multiplication.
 $6 \times 10 = 60$
Write a division which uses these same 3
numbers.



The children in Vijay's class vote for their favourite day out. Here are their results.

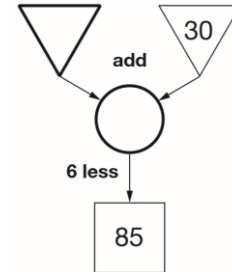
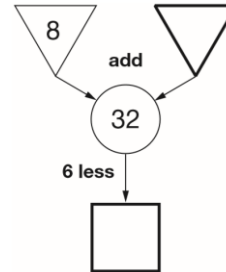


How many children voted for the zoo?

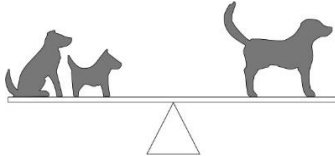


In this diagram, the numbers in the triangles add together to make the number in the circle. The number in the square is 6 less than the number in the circle.

Write the four missing numbers in these diagrams.



The two smaller dogs together have the same mass as the bigger dog.



The big dog has a mass of 27 kg. One of the smaller dogs has a mass of 16 kg. What is the mass of the other smaller dog?

Rob has some number cards.

He holds up a card.

He says, 'If I multiply the number on this card by 5, the answer is 35'

What is the number on the card?

He holds up a different card.

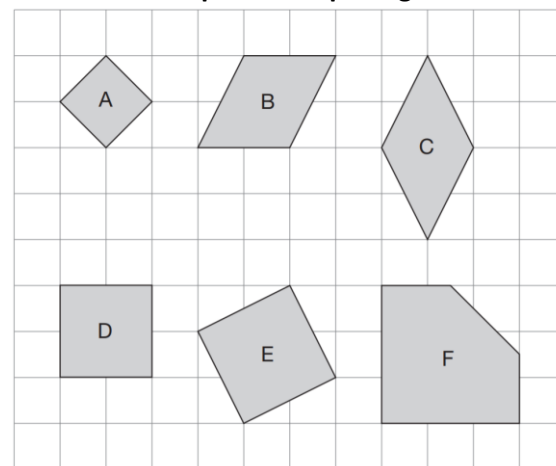
He says, 'If I divide the number on this card by 6, the answer is 4'

What is the number on the card?

Write the three missing numbers in this multiplication grid.

\times	8	5	
4		20	28
5	40		35
3	24	15	21

Here are six shapes on a square grid.



Write the letters of all the shapes that are squares.

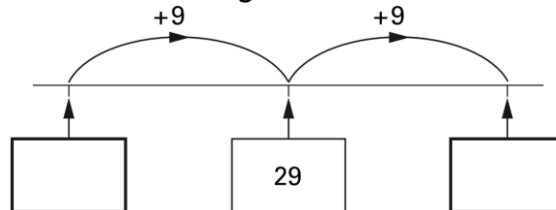
Write these numbers in order.

64	46	106	16	40

smallest largest

Here is part of a number line.

Write in the missing numbers.



Write the missing numbers in the sequence.

	804	814	824	834	
--	-----	-----	-----	-----	--

A bag has 90 marbles in it.

4 children take 20 marbles each.


How many marbles are left in the bag?



A collection of British coins is displayed. There are two one-pound coins, two fifty-pence coins, two ten-pence coins, two five-pence coins, and two one-penny coins. The coins are arranged in a scattered pattern. The one-pound coins feature the Royal Coat of Arms. The fifty-pence coins are octagonal and show a figure holding a torch. The ten-pence coins show a lion passant guardant. The five-pence coins show a castle. The one-penny coins show a building.

```

graph LR
    Start[Start] --> Junction(( ))
    Junction -- "rounds to 50" --> Box1[ ]
    Junction -- "rounds to 60" --> Box2[61]
  
```

Three cards are shown, each with a number. The first card on the left has the number 4. The middle card has the number 8. The card on the right has the number 5.

--	--	--

A Venn diagram on a grid background. Two overlapping circles are labeled "has 3 sides" (left) and "has a right angle" (right). Shapes are placed in the regions: a triangle in the left-only region, a right triangle in the intersection, a right triangle and a quadrilateral in the right-only region, and a hexagon outside both circles.

A number line is shown with endpoints labeled 0 and 1. There are 10 equal intervals between 0 and 1, marked by tick marks. An arrow points to the 5th tick mark from 0, and a box is placed below it.

A diagram of a pentagon with interior angles labeled a , b , c , d , and e . The angles are located at the vertices of the pentagon, starting from the top-left and moving clockwise.

$\frac{5}{7}$ $\frac{2}{7}$ $\frac{6}{7}$ $\frac{3}{7}$

[] [] [] []

smallest largest

$$54 = \square + \square + \square$$

38 10 28

smallest
 largest

10 50 40 100 70 200

Write the correct sign =, > or < in each circle.

$$9 \times 3 \quad \bigcirc \quad 8 \times 4$$

$$9 - 3 \quad \bigcirc \quad 8 - 4$$

$$9 + 3 \quad \bigcirc \quad 8 + 4$$

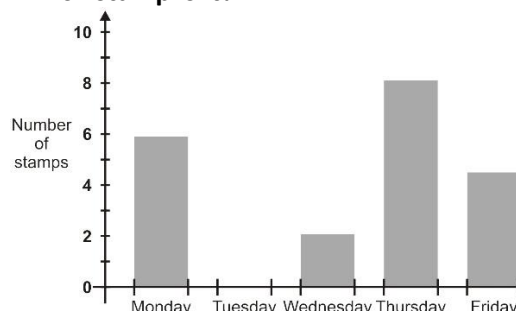
$$9 \div 3 \quad \bigcirc \quad 8 \div 4$$

Here is a table of the number of stamps used each day in school.

	Monday	Tuesday	Wednesday	Thursday	Friday
19p	22	11	14	32	13
25p	8	17	4	6	19
30p	6	0	2	8	4
35p	6	0	6	1	0
50p	6	0	2	12	3

How many 25p stamps did the school use on Wednesday?

This is a graph of one kind of stamp they used. Which stamp is it?



Some children were asked to choose their favourite animal in the zoo. This table shows the results.


	Girls	Boys
zebra	9	3
lion	4	9
giraffe	7	4
monkey	8	7
elephant	6	5

How many more girls than boys chose giraffes?

How many more boys chose lions than elephants?

Which animal was chosen by the greatest number of children?

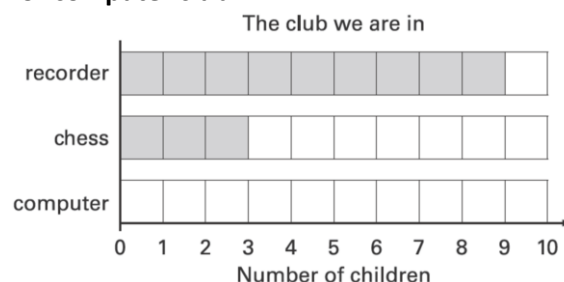
Some children in Class 4 are in a club. This table shows the club they are in.

 stands for 1 child

club	number of children
recorder	
chess	
computer	

How many more children go to recorder than chess?

This graph should show the same data as the table. Shade in the correct number of blocks for computer club.



Here is a number line. Estimate the number marked by the arrow.



Ben went to cubs at 7pm. He finished one hour later. What time did he finish? Give your answer using digital 24 hour clock time.

$$350 - 190 = \boxed{} + 40$$

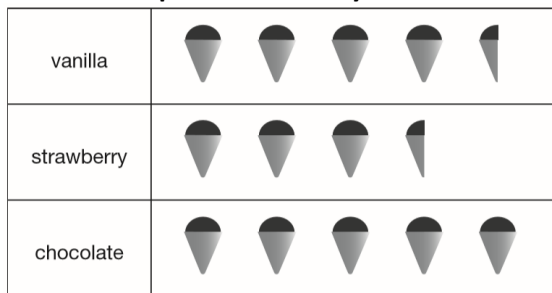
Write in the missing digits.


$$\begin{array}{|c|} \hline 3 \\ \hline \end{array} \begin{array}{|c|} \hline \\ \hline \end{array} + \begin{array}{|c|} \hline \\ \hline \end{array} 5 = \begin{array}{|c|} \hline 1 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array} \begin{array}{|c|} \hline 0 \\ \hline \end{array}$$

There are 219 boys and 187 girls in a school. What is the total number of children?

$$\begin{array}{|c|} \hline \text{£}3 \\ \hline \end{array} + \begin{array}{|c|} \hline 3\text{p} \\ \hline \end{array} + \begin{array}{|c|} \hline 4\text{p} \\ \hline \end{array} = \begin{array}{|c|} \hline \text{£} \\ \hline \end{array}$$

This pictogram shows the number of ice creams a shop sold in one day.

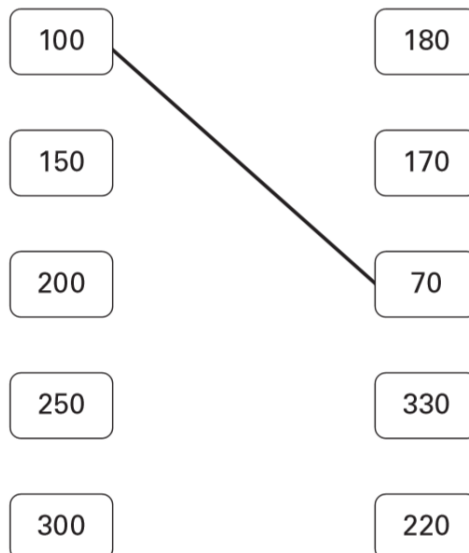


 stands for 10 ice creams

How many more chocolate than strawberry ice creams were sold?

How many ice creams were sold altogether?

Draw lines to join all the pairs of number cards which have a difference of 30



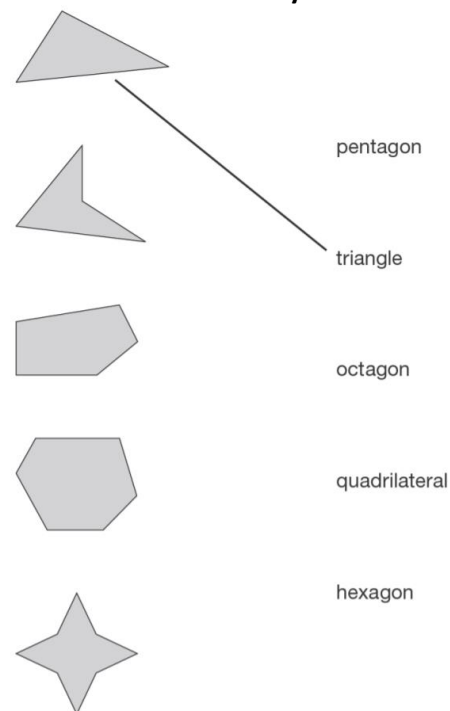
This table shows six different types of cat and where they are found.

	Europe and Middle East	Asia	Africa
Jungle cat	✓	✓	✗
Wildcat	✓	✓	✓
Tiger	✗	✓	✗
Lion	✗	✓	✓
Cheetah	✗	✗	✓
Leopard	✓	✓	✓

Which type of cat is found only in Africa?

Which types of cat are found in all three parts of the world?

Match each shape to its correct name. One has been done for you.



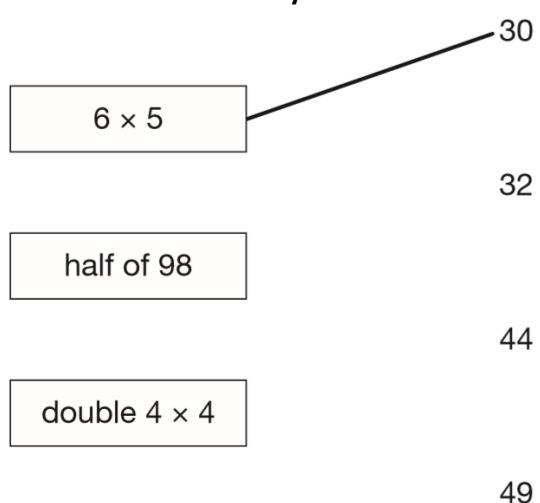
This chart shows the musical instruments some children play.

	Lena	John	Rashid	Nicola	Yin
drums	✓	✓		✓	
keyboard			✓		
trumpet	✓				✓
recorder			✓	✓	✓
piano	✓	✓	✓		

Who plays both recorder and drums?

How many children play more than two musical instruments?

Join each box to the correct number. One has been done for you.

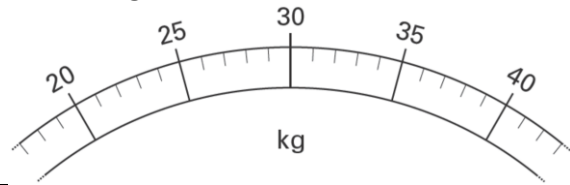




Julie says, 'I added three odd numbers and my answer was 50'
Explain why Julie cannot be correct.



Vijay weighs 29 kilograms.
Sarah weighs 8 kilograms more than Vijay.
Draw an arrow on the scale to show how much Sarah weighs.



In a pack of 11 sweets,

- 2 are red
- 5 are blue
- 3 are yellow and
- 1 is green.

What fraction of the pack is blue?

What fraction of the pack is not red?