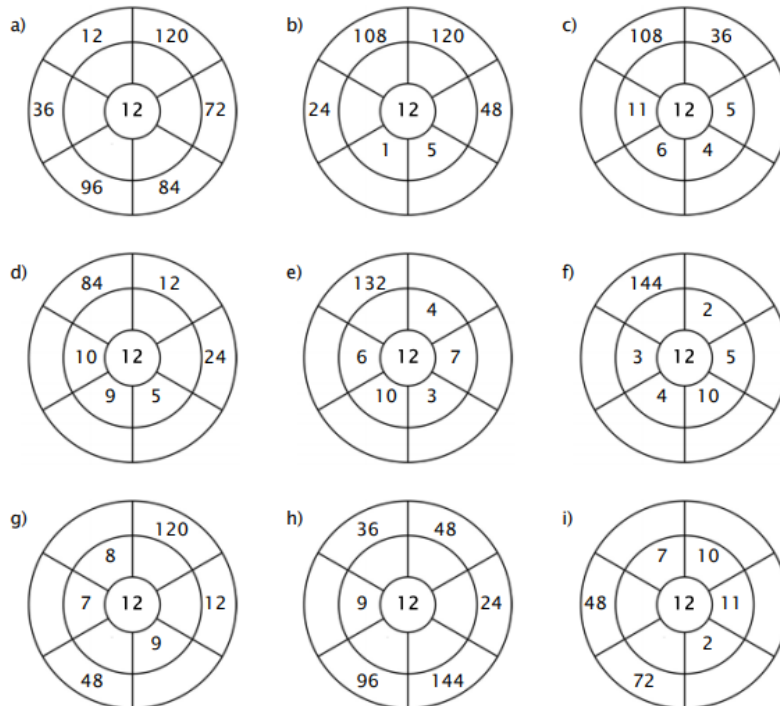


Year 5 : Numeracy Day 1 Week 1

Each day, complete your times table starter. Then watch the video lesson, clicking through each round tab then complete the related worksheet.

Complete the circle by multiplying the number in the center by the middle ring to get the outer numbers.

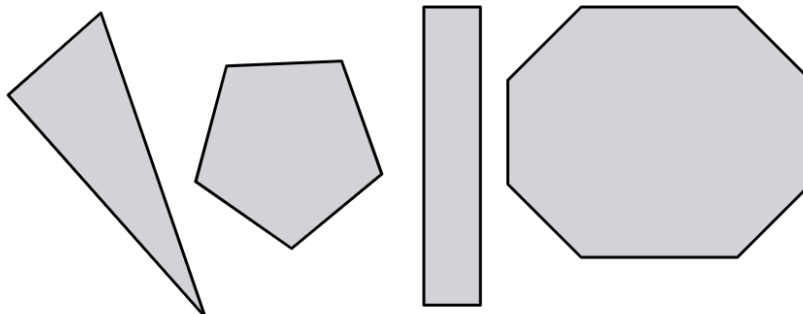


Understanding angles

<https://classroom.thenational.academy/lessons/understanding-angles-6nhk8t?step=2&activity=worksheet>

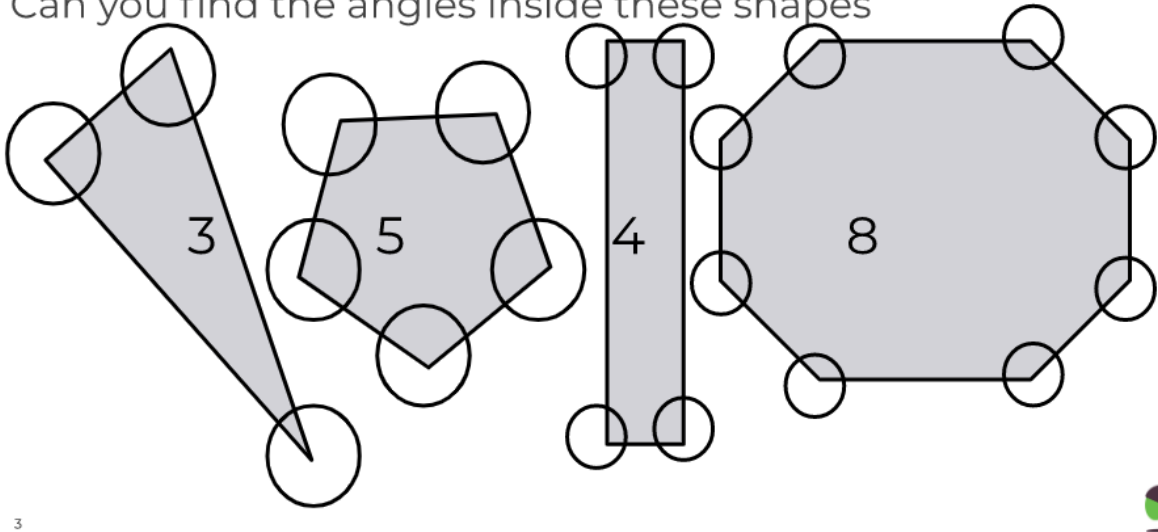
Understanding angles

Can you find the angles inside these shapes



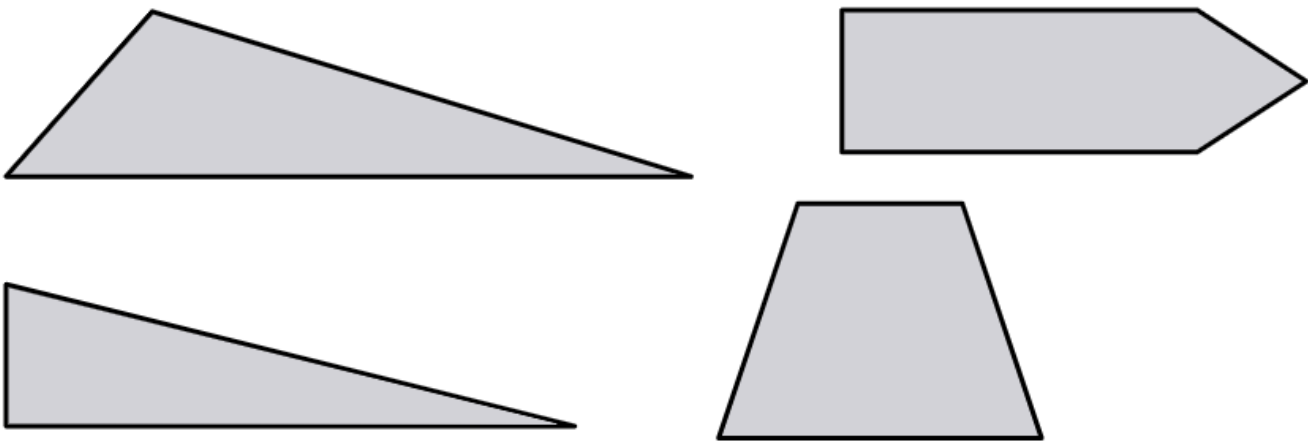
Understanding angles

Can you find the angles inside these shapes



Understanding angles

How many angles are there in each shape?
Can you find the greatest angle in each shape?
Can you find the smallest angle in each shape?



Find shapes in your home and see how many angles you can find on one of it's flat faces!

Item	Number of angles on flat face

Year 5 : Numeracy Day 2 Week 1

12 x Times Tables Starter

$3 \times 12 = \underline{\quad}$	$10 \times 12 = \underline{\quad}$	$4 \times 12 = \underline{\quad}$
$4 \times 12 = \underline{\quad}$	$6 \times 12 = \underline{\quad}$	$5 \times 12 = \underline{\quad}$
$8 \times 12 = \underline{\quad}$	$3 \times 12 = \underline{\quad}$	$8 \times 12 = \underline{\quad}$
$7 \times 12 = \underline{\quad}$	$1 \times 12 = \underline{\quad}$	$9 \times 12 = \underline{\quad}$
$12 \times 12 = \underline{\quad}$	$8 \times 12 = \underline{\quad}$	$2 \times 12 = \underline{\quad}$

$10 \times 12 = \underline{\quad}$	$5 \times 12 = \underline{\quad}$	$6 \times 12 = \underline{\quad}$
$1 \times 12 = \underline{\quad}$	$2 \times 12 = \underline{\quad}$	$12 \times 12 = \underline{\quad}$
$9 \times 12 = \underline{\quad}$	$9 \times 12 = \underline{\quad}$	$1 \times 12 = \underline{\quad}$
$6 \times 12 = \underline{\quad}$	$10 \times 12 = \underline{\quad}$	$4 \times 12 = \underline{\quad}$
$2 \times 12 = \underline{\quad}$	$4 \times 12 = \underline{\quad}$	$11 \times 12 = \underline{\quad}$

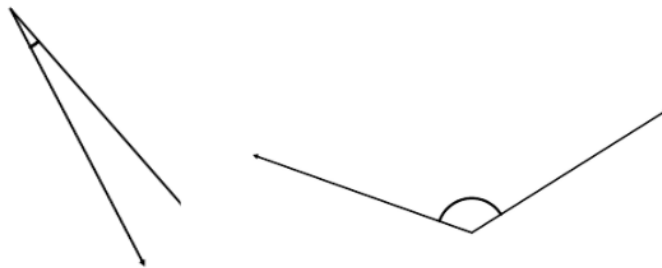
Recognise acute and obtuse angles

<https://classroom.thenational.academy/lessons/recognise-acute-and-obtuse-angles-cgr34d>

New learning: acute/obtuse angles

Acute or obtuse?

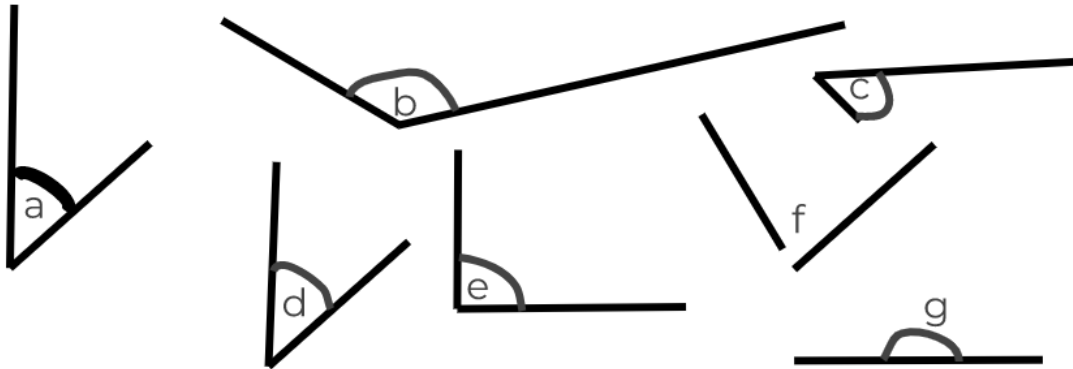
"The angle is _____ because it is _____ than a right angle"



New learning: acute/obtuse angles

Acute or obtuse?

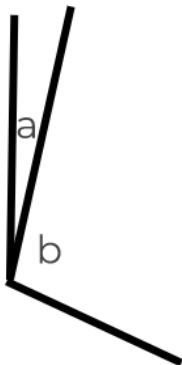
"Angle ___ is ___ because it is ___ than a right angle"



Develop learning

Acute or obtuse?

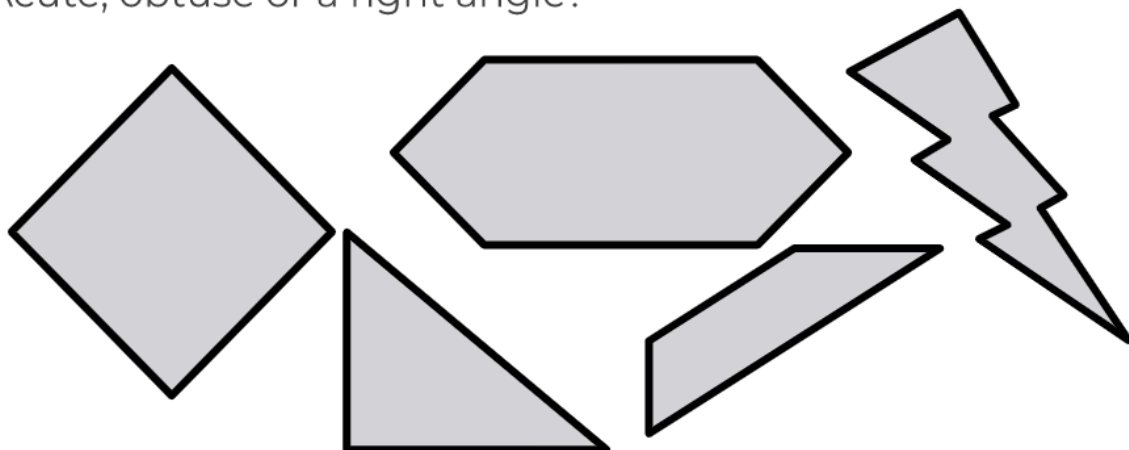
"Angle ___ is ___ because it is ___ than a right angle"



4

Develop learning

Acute, obtuse or a right angle?



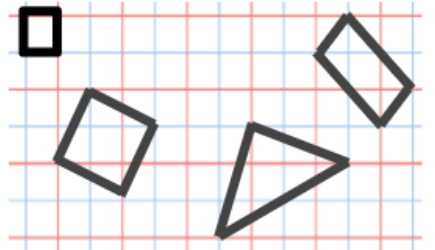
Independent task: draw these

A triangle with an acute angle
A triangle with an obtuse angle
A triangle with a right angle
A triangle without a right angle
A triangle with 2 acute angles
- what is the third angle?

A quadrilateral with 2 acute and 2 obtuse angles
A pentagon with an obtuse angle

Think:

A triangle with 2 obtuse angles?
A quadrilateral with 3 obtuse angles?



Year 5: Numeracy Day 3 Week 1

12 x Times Tables Starter

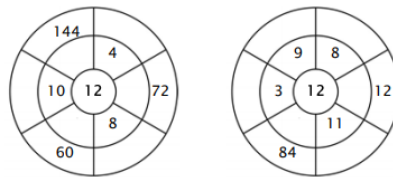
Exercise 1:

Color in all of the boxes that are the solutions of this time table.

65	110	72	132	48
86	12	74	84	108
48	144	99	120	84
33	96	24	108	60
112	56	36	120	11

Exercise 2:

Complete the circle by multiplying the number in the center by the middle ring to get the outer numbers.



Exercise 3:

Fill in the correct product.

- a) $8 \times 12 = \underline{\quad}$ b) $5 \times 12 = \underline{\quad}$ c) $3 \times 12 = \underline{\quad}$
d) $7 \times 12 = \underline{\quad}$ e) $12 \times 12 = \underline{\quad}$ f) $11 \times 12 = \underline{\quad}$

Angles within a shape

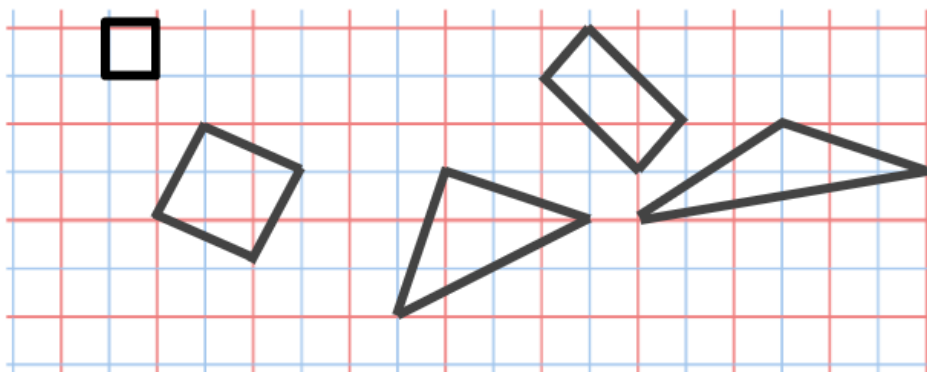
<https://classroom.thenational.academy/lessons/angles-within-a-shape-chipar>

New learning: recognise angles

How many right angles?

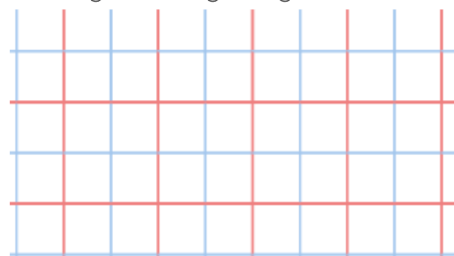
How many acute angles?

How many obtuse angles?



New learning: angle statements

"A triangle has a right angle"



3

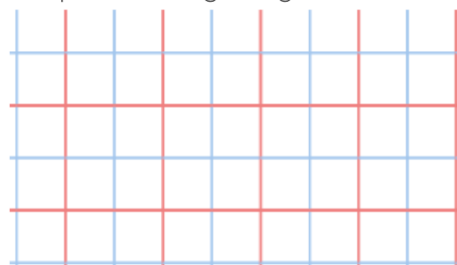
Always true

Sometimes true

Never true

New learning: angle statements

"A square has 4 right angles"



4

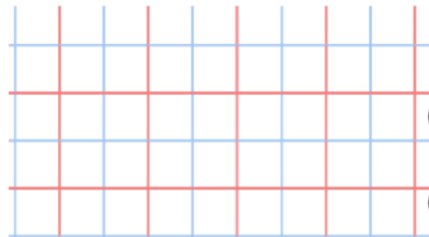
Always true

Sometimes true

Never true

New learning: angle statements

"A triangle has 3 acute angles"



5

Always true

Sometimes true

Never true

Develop learning: angle statements

"___ is ___ because ___"

"A quadrilateral has 4 right angles"

"A quadrilateral has 3 acute angles"

"A quadrilateral has 2 obtuse angles"

"A five sides shape has no acute angles"

Always true

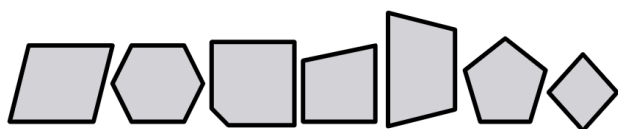
Sometimes true

Never true

Develop learning: angle statements

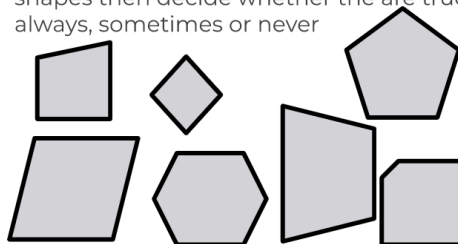
What are the names of these shapes?

What do you know about their angles?



Independent task

Create your own statements about these shapes then decide whether they are true always, sometimes or never



Always true

Sometimes true

Never true

Year 5: Numeracy Day 4 Week 1

12 x Times Tables Starter

Draw a line connecting the multiplication expression with the correct product.

3 x 12	48	
10 x 12		120
4 x 12	84	
5 x 12		132
9 x 12	24	
11 x 12		36
7 x 12	72	
2 x 12		108
6 x 12	144	
12 x 12		60

Exercise 2:

Fill in the missing number.

- a)  x 12 = 96 b)  x 12 = 12 c)  x 12 = 36

Calculating angles within a shape 1

<https://classroom.thenational.academy/lessons/calculating-angles-within-a-shape-1-65h3ar?step=3&activity=worksheet>

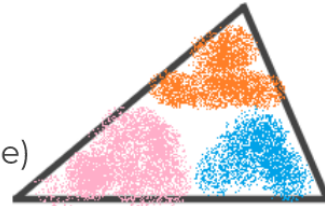
New learning: angles in a triangle

A right angle is 90°

Angles on a straight line add up to 180°
(2 right angles)

Angles around a point add up to 360°
(4 right angles)

Angles in a triangle add up to 180°
(rip corners to become straight line)

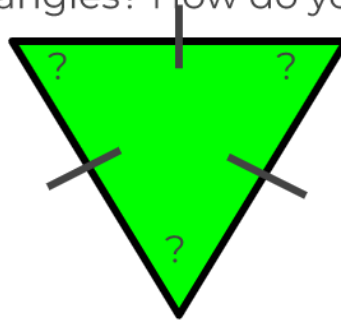


New learning: angles in a triangle

Angles in a triangle add up to 180°

Angles on a straight line add up to 180°

What are the missing angles? How do you know?

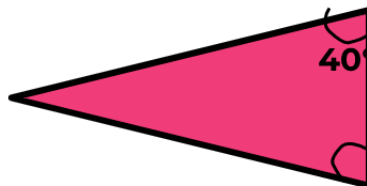


New learning: angles in a triangle

Angles in a triangle add up to 180°

Angles on a straight line add up to 180°

What are the missing angles? How do you know?

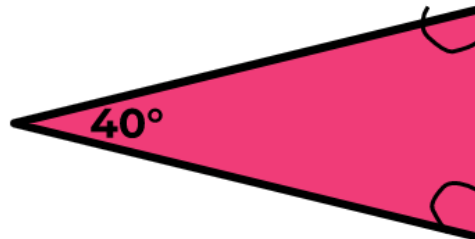


New learning: angles in a triangle

Angles in a triangle add up to 180°

Angles on a straight line add up to 180°

What are the missing angles? How do you know?

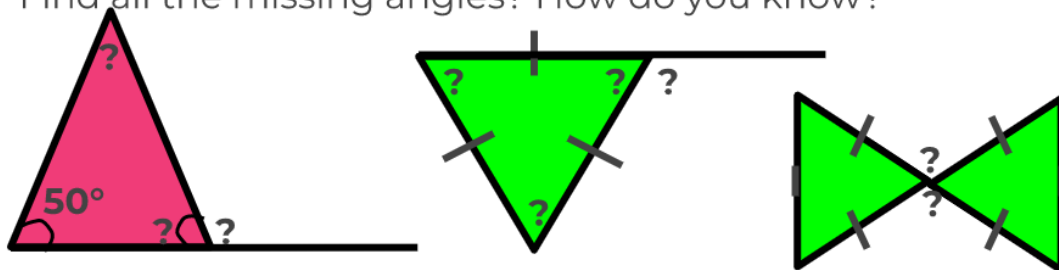


Develop learning: angles in a triangle

Angles in a triangle add up to 180°

Angles on a straight line add up to 180°

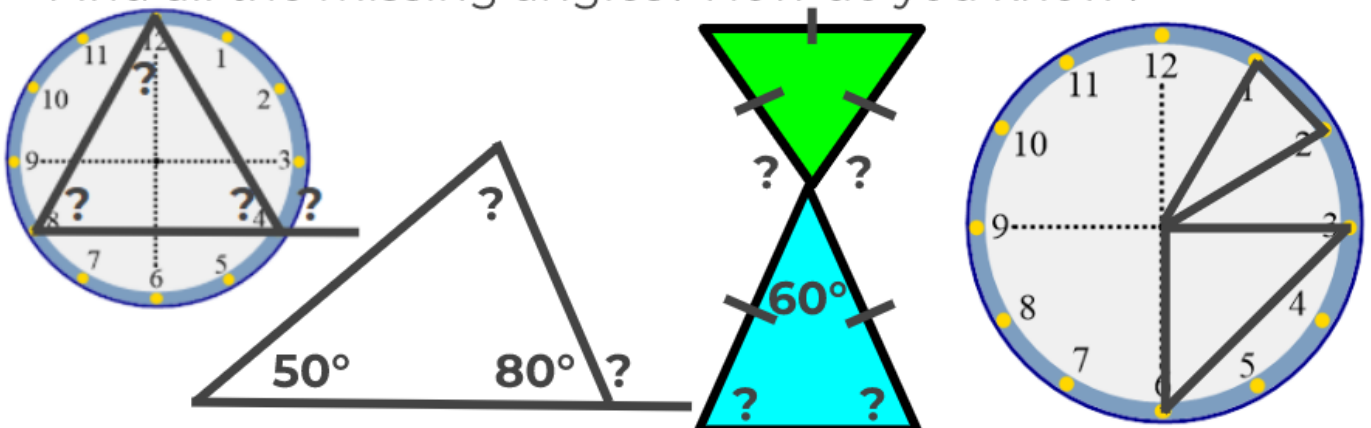
Find all the missing angles? How do you know?



Independent task: angles in a triangle

triangle = 180° ; straight line = 180°

Find all the missing angles? How do you know?



Year 5 : Numeracy Day 5 Week 1

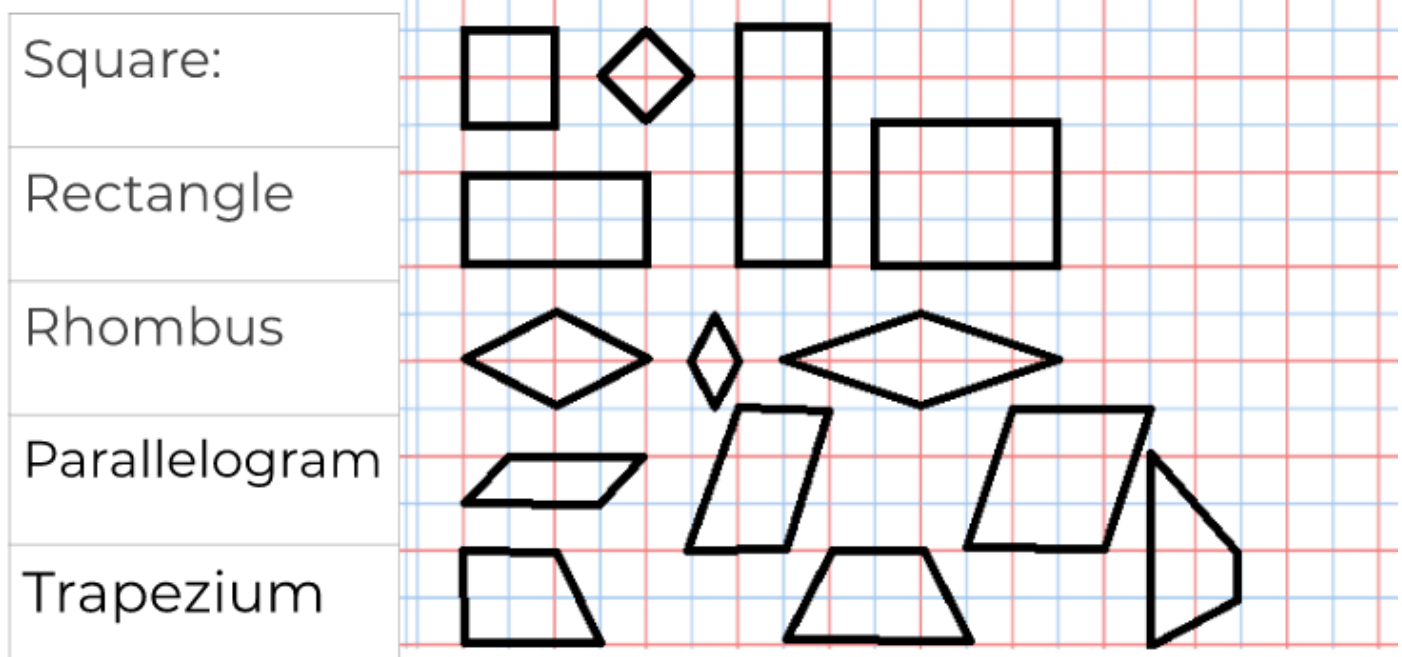
12 x Times Tables Starter

$108 \div 12 = \underline{\hspace{1cm}}$ (1)	$120 \div 12 = \underline{\hspace{1cm}}$ (11)	$24 \div 12 = \underline{\hspace{1cm}}$ (21)
$72 \div 12 = \underline{\hspace{1cm}}$ (2)	$12 \div 12 = \underline{\hspace{1cm}}$ (12)	$48 \div 12 = \underline{\hspace{1cm}}$ (22)
$84 \div 12 = \underline{\hspace{1cm}}$ (3)	$96 \div 12 = \underline{\hspace{1cm}}$ (13)	$108 \div 12 = \underline{\hspace{1cm}}$ (23)
$24 \div 12 = \underline{\hspace{1cm}}$ (4)	$12 \div 12 = \underline{\hspace{1cm}}$ (14)	$36 \div 12 = \underline{\hspace{1cm}}$ (24)
$60 \div 12 = \underline{\hspace{1cm}}$ (5)	$120 \div 12 = \underline{\hspace{1cm}}$ (15)	$72 \div 12 = \underline{\hspace{1cm}}$ (25)
$120 \div 12 = \underline{\hspace{1cm}}$ (6)	$24 \div 12 = \underline{\hspace{1cm}}$ (16)	$48 \div 12 = \underline{\hspace{1cm}}$ (26)
$60 \div 12 = \underline{\hspace{1cm}}$ (7)	$36 \div 12 = \underline{\hspace{1cm}}$ (17)	$72 \div 12 = \underline{\hspace{1cm}}$ (27)
$84 \div 12 = \underline{\hspace{1cm}}$ (8)	$12 \div 12 = \underline{\hspace{1cm}}$ (18)	$108 \div 12 = \underline{\hspace{1cm}}$ (28)
$24 \div 12 = \underline{\hspace{1cm}}$ (9)	$96 \div 12 = \underline{\hspace{1cm}}$ (19)	$120 \div 12 = \underline{\hspace{1cm}}$ (29)
$108 \div 12 = \underline{\hspace{1cm}}$ (10)	$72 \div 12 = \underline{\hspace{1cm}}$ (20)	$36 \div 12 = \underline{\hspace{1cm}}$ (30)

Calculating angles within a shape (Part 2)

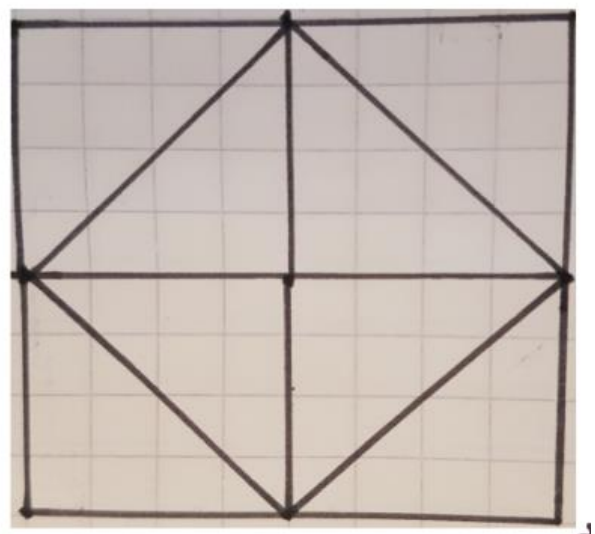
<https://classroom.thenational.academy/lessons/calculating-angles-within-a-shape-part-2-60u3jr?step=3&activity=worksheet>

New learning: Types of quadrilateral



New learning: Types of quadrilateral

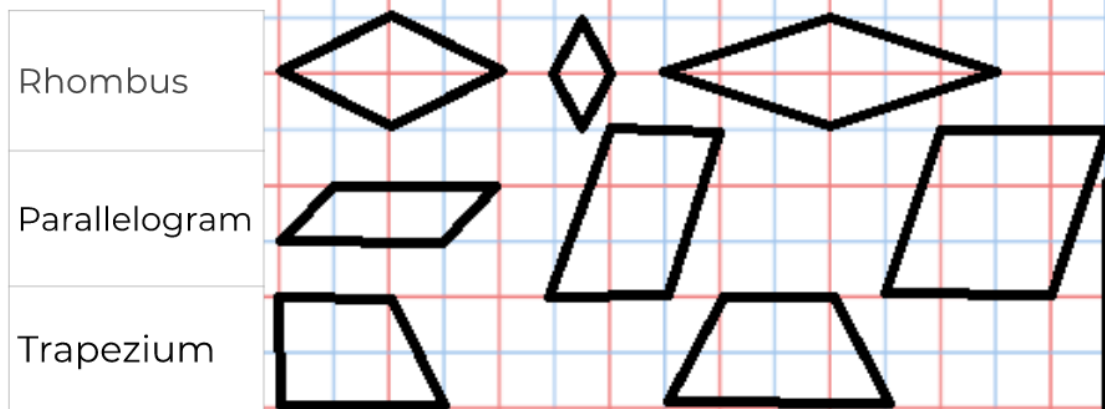
	Angles	Sides
Square:	4 RA	4 equal PS
Rectangle	4 RA	2 pairs of PS
Rhombus	2 pairs of equal A	4 equal PS
Parallelogram	2 pairs of equal A	2 pairs of PS
Trapezium		1+ pairs of PS



A = angles RA= Right angles PS = parallel sides

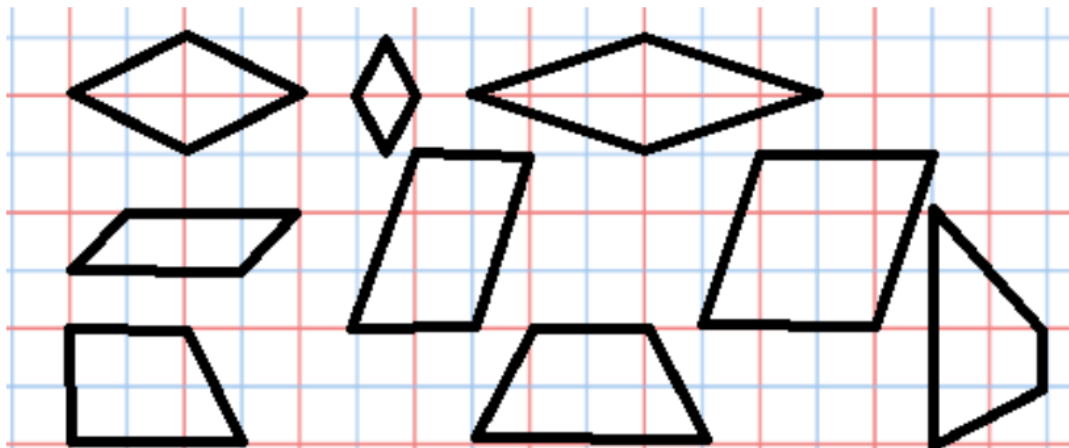
Develop learning: angles

Investigate angles within these shapes



Develop learning: angles

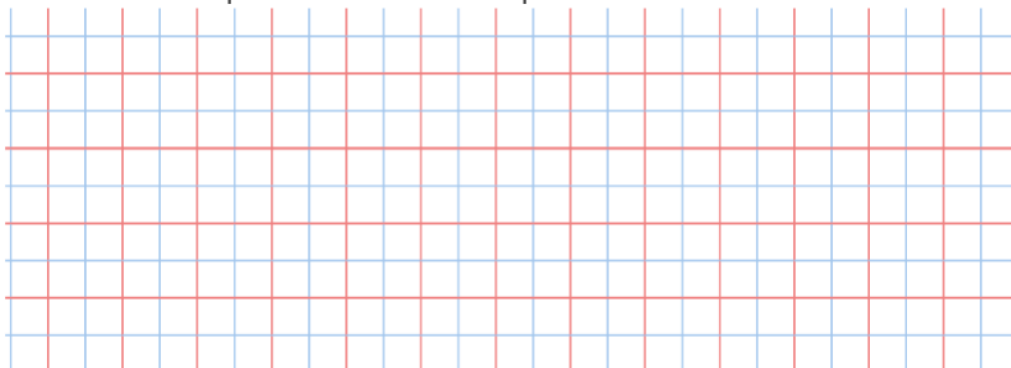
Investigate angles within these shapes

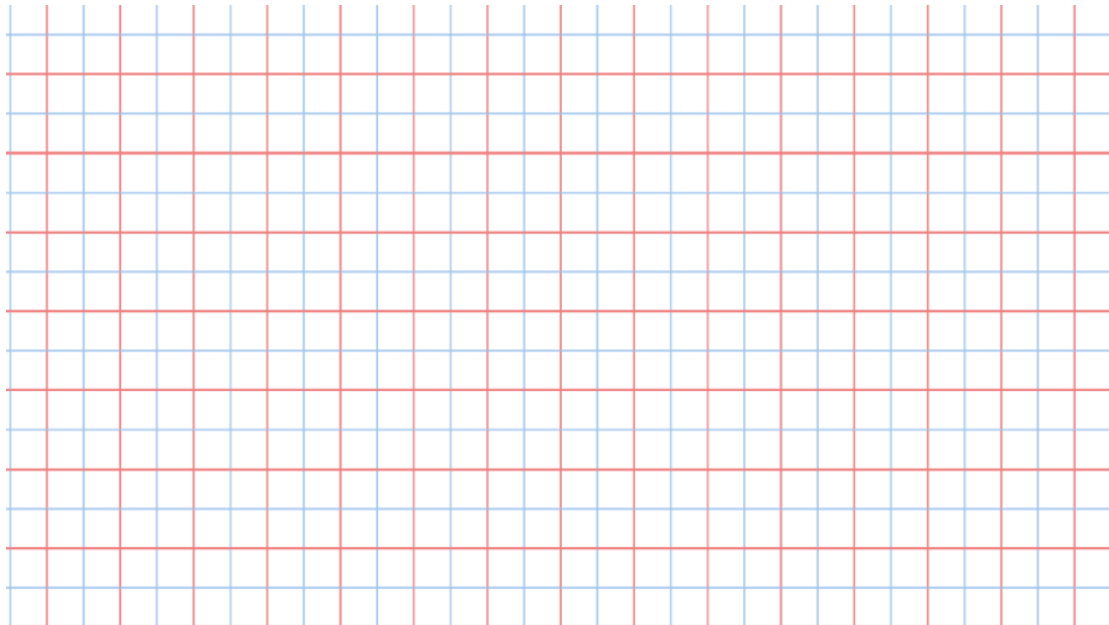


Develop learning: angles

Angles inside a quadrilateral add up to 360°
(two triangles of 180° each)

Draw some quadrilaterals to prove this

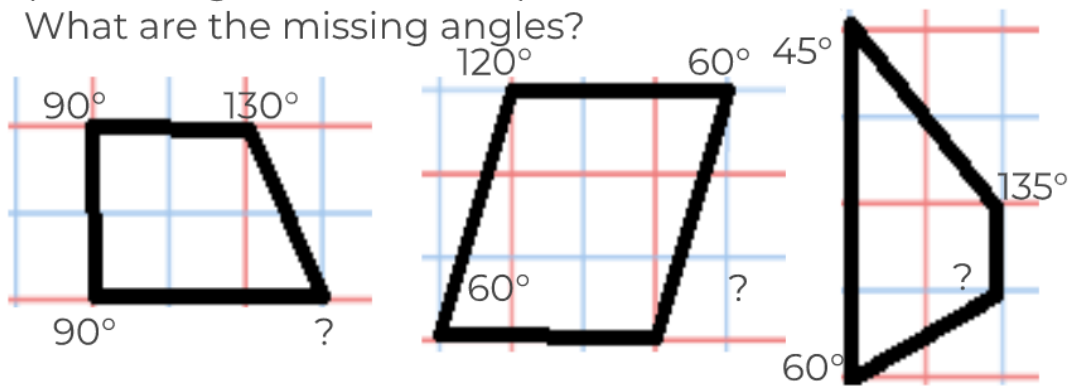




Develop learning: angles

Angles inside a quadrilateral add up to 360°
(two triangles of 180° each)

What are the missing angles?



Independent task

Find the missing angles in these shapes

