4/2/21

We will complete today's lesson in two parts. So don't pack away after the first worksheet!

Two
PARTS
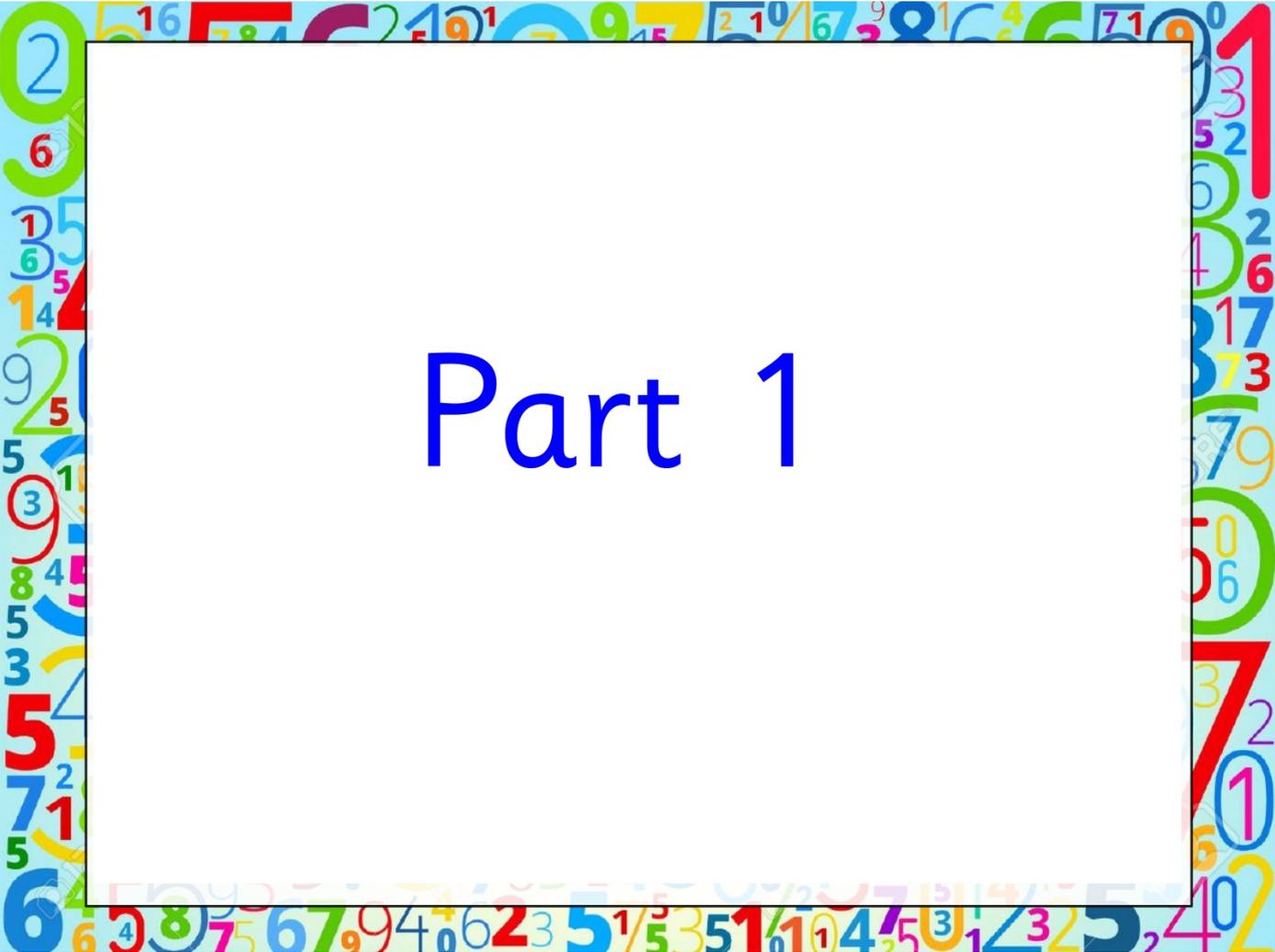
Part 1

Comparing Angles

MATHS

In which letters are there right angles?

Check using your right-angle tester.

Let's Learn

1 Are there right angles in **T** ?

There are 2 right angles in **T**.

2 Are there right angles in **H** ?

There are 4 right angles in **H**.

Which other letters have several right angles?

Watch video clip "Explanation 1"
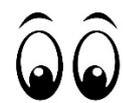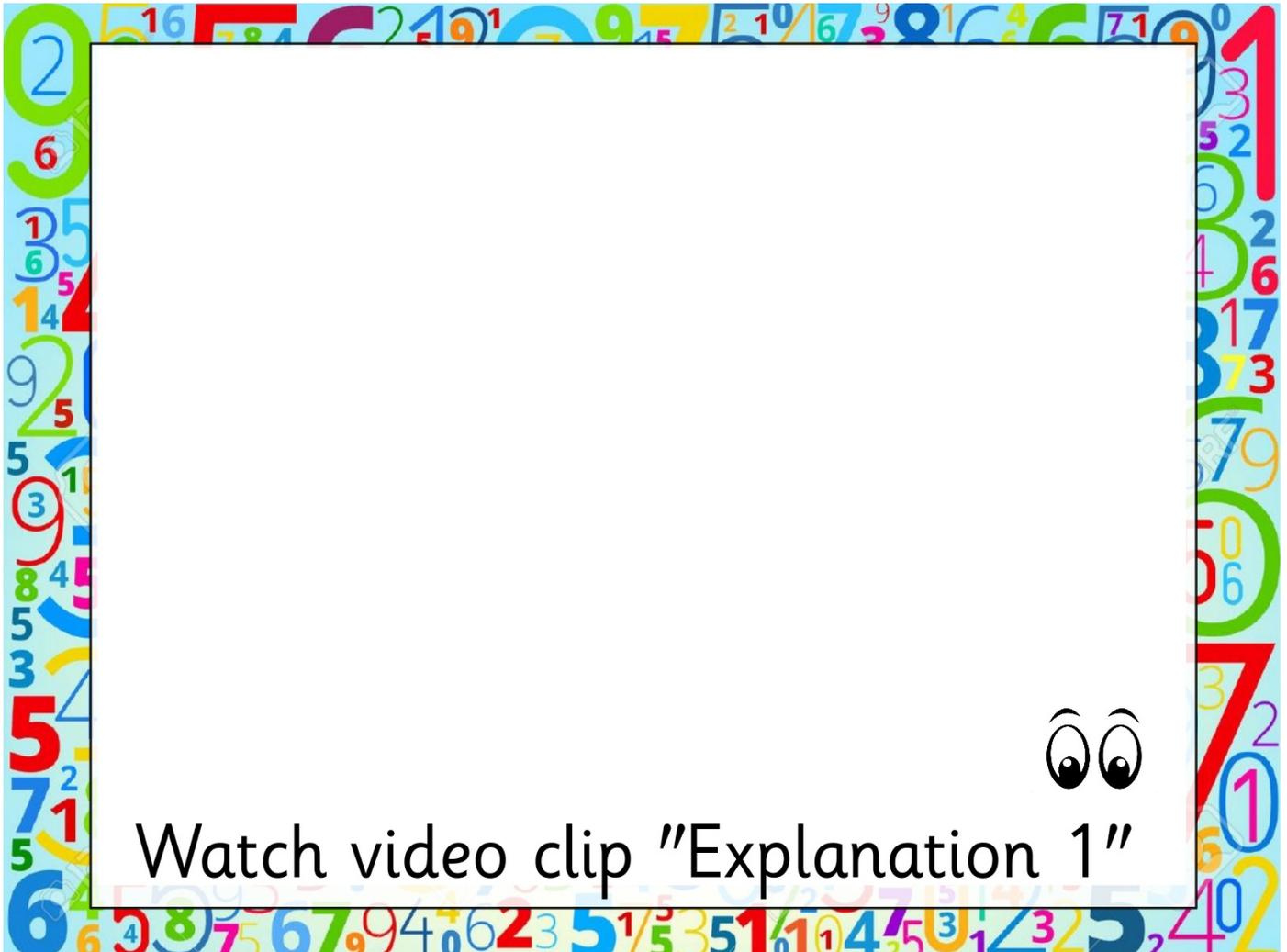
Watch video clip "Explanation 1"

3 Are there right angles in M ?

3 Are there right angles in **M** ?

Angles a, b and c are less than a right angle.

We call these acute angles.

> An acute angle is smaller than a right angle.

4 Are there acute angles in A ?

4 Are there acute angles in A ?

These angles are smaller than a right angle.
These are acute angles.

5 Are there acute angles in S?

5 Are there acute angles in **S** ?

No, angles are made when straight lines meet.

Guided Practice

1 Draw an acute angle.

2 Which of these are right angles?
Use your right-angle tester or the corner of a ruler to find out.

a

b

c

d

e

f
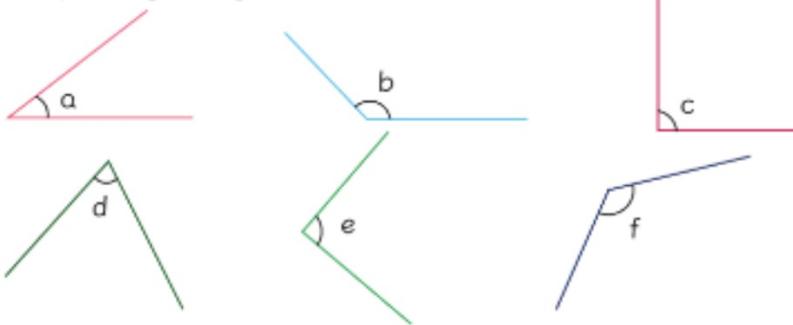
**3** Which angles in the shapes are right angles and which are acute angles?

(a)

(b)

(c)

(d)

Comparing Angles

1 Each figure below is made up of two lines.
Circle the figures that make an acute angle.

(a)

(b)

(c)

(d)

(e)

(f)
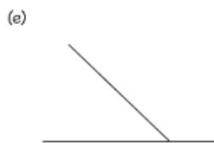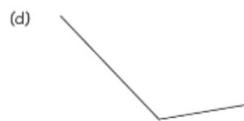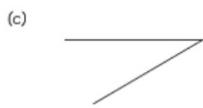
2 Mark all the acute angles in the shapes below and then write down how many you found.

(a)

(b)

(c)

(d)

(e)

(f)
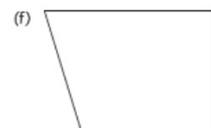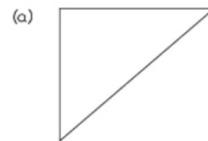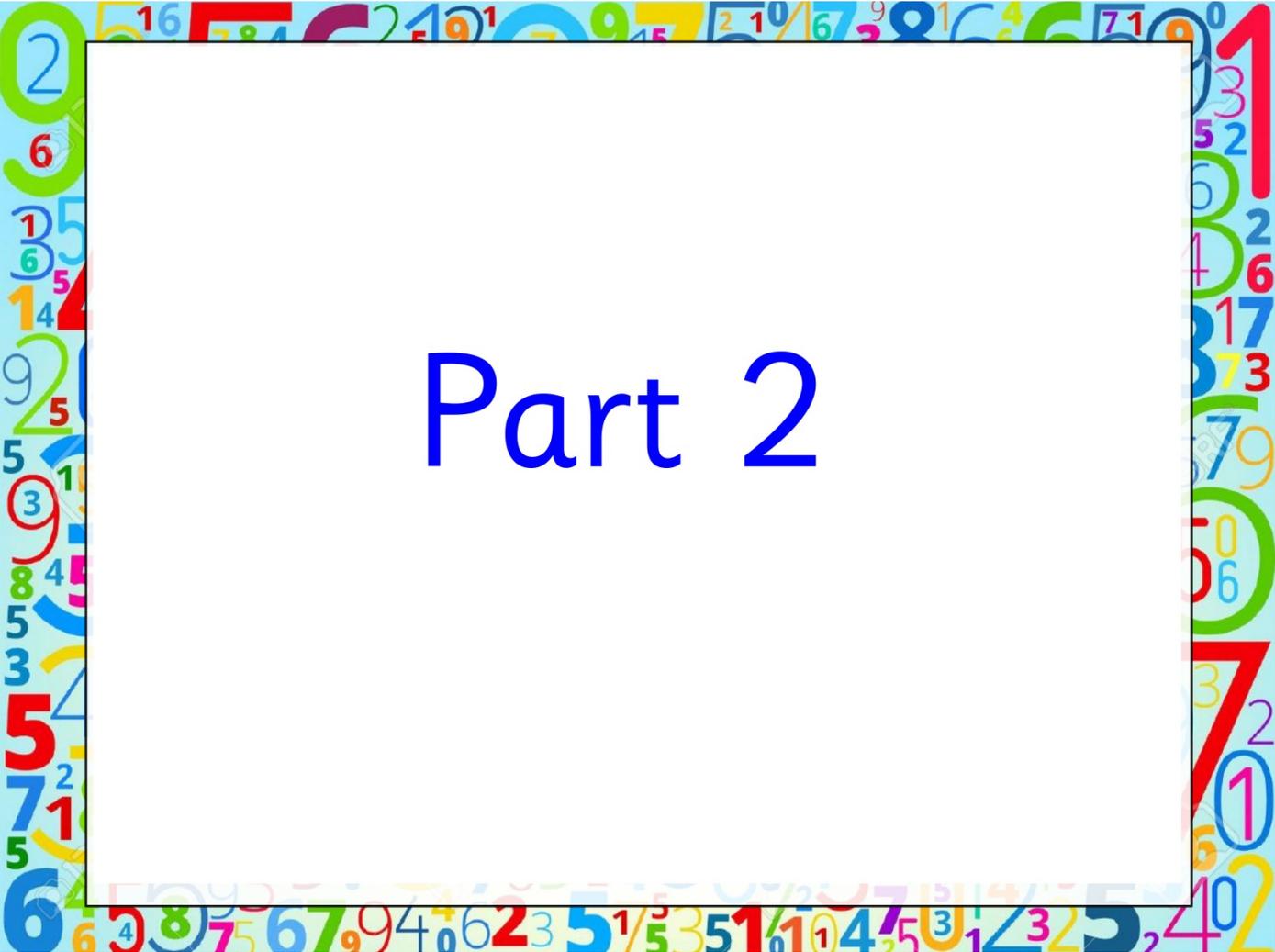
Part 2

Comparing Angles

ENGLAND

Are there angles that are larger than a right angle in the letters?

1 Are the angles in **E** right angles?

1 Are the angles in **E** right angles?

E These are right angles.
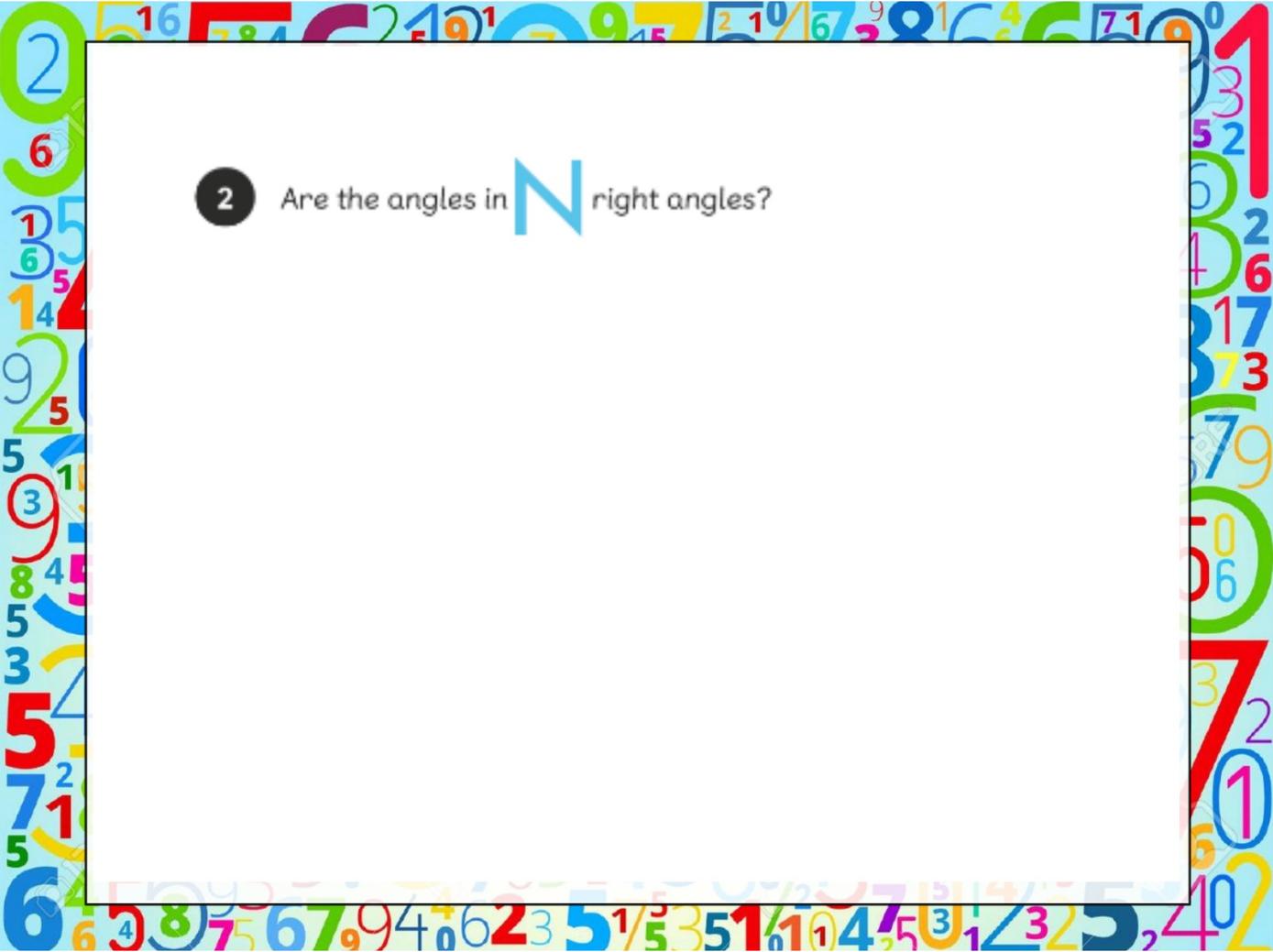
2 Are the angles in N right angles?

2 Are the angles in **N** right angles?

N These are acute angles.

An acute angle is smaller than a right angle.

3 Are the angles in **A** right angles?

3 Are the angles in **A** right angles?

A These are acute angles.

**3** Are the angles in **A** right angles?

A These are acute angles.

A These are larger than a right angle. We call them obtuse angles.

Obtuse angles are larger than 90°.

Guided Practice

1 Draw an obtuse angle.

**2** Is each angle smaller than or larger than a right angle?

(a)

a

(b)

b
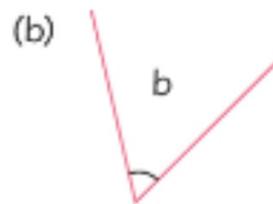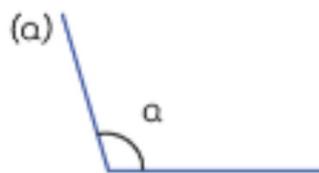
**3** Name the acute angles, the obtuse angles and the right angles.

(a)

c

[_____] angle

(b)

d

[_____] angle

(c)

e

[_____] angle

(d)

f

[_____] angle

(e)

g

[_____] angle

(f)

h
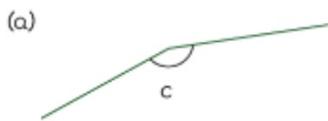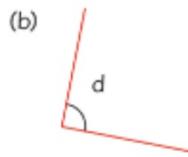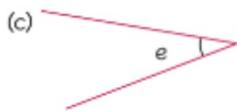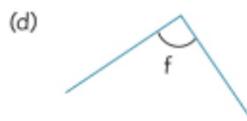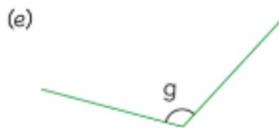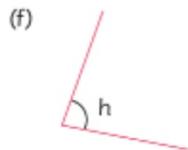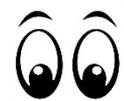
[_____] angle

Watch video clip "Explanation 3"

Comparing Angles

1 State whether the angle shown in each figure is an acute angle, a right angle or an obtuse angle.

(a)

[_____] angle

(b)

[_____] angle

(c)

[_____] angle

(d)

[_____] angle

(e)

[_____] angle

(f)

[_____] angle