

On the next few slides are Thursday and
Friday's maths for the week beginning
27.04.20

They are problem solving activities –
remember to think outside the box!

Copy the grid of numbers into your maths book.

Persevere for 10 minutes on finding the highest possible score.

Then persevere for 10 minutes on finding the lowest possible score.

Show an adult and get them to check how close you are to the answers on the next slide.

Challenge:

Try joining 5 numbers.

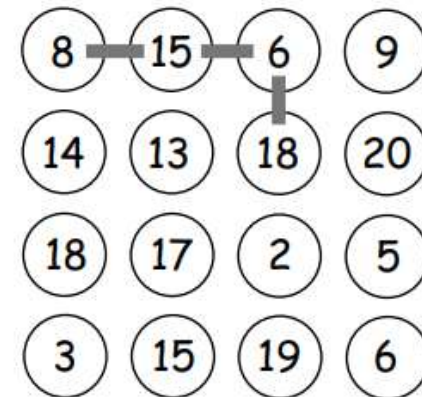
Joins

Join any four numbers.

Find their total.

Joins can go up, down or sideways, but not diagonally.

The score shown is $8 + 15 + 6 + 18 = 47$.



Find the highest possible score.

Find the lowest possible score.

Try joining five numbers.

Now try joining five numbers using only diagonal joins.

Answers:

54 Joins

Using four numbers:

the highest score is $19 + 15 + 17 + 18 = 69$,

the lowest score is $6 + 5 + 2 + 17 = 30$.

Using five numbers:

the highest is $20 + 18 + 13 + 17 + 18 = 86$,

the lowest is $6 + 18 + 2 + 5 + 6 = 37$.

Using five numbers and diagonal joins:

the highest is $19 + 17 + 14 + 15 + 18 = 83$,

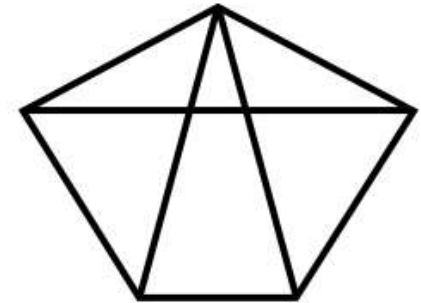
the lowest is $13 + 6 + 20 + 2 + 6 = 47$.

Here's a good one to share with your family – who can spot the most triangles and squares?

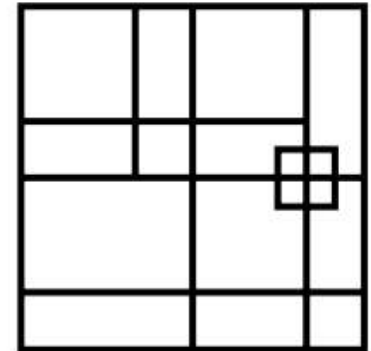
Check the answers on the next slide.

Spot the shapes 2

1. How many triangles can you count?



2. How many squares can you count?



3. Draw your own diagram to count triangles.
Don't use too many lines!
How many triangles can a friend find?
Can you find more?

Answers:

58 Spot the shapes 2

1. There are 11 triangles.
2. There are 17 squares.