

## Room/Area 7

### Set up:

Put on the wall in large letters:

- <sup>17</sup> How precious to me are your thoughts, God!  
How vast is the sum of them!
- <sup>18</sup> Were I to count them,  
they would outnumber the grains of sand—  
when I awake, I am still with you.

This is a sand sort puzzle. If you want to see what one looks like online, check out:  
<https://www.games.co.uk/game/sand-sort-puzzle>.

It would be overcomplicated to play a sand sort game in real life, but you can recreate one.

### Hard preparation

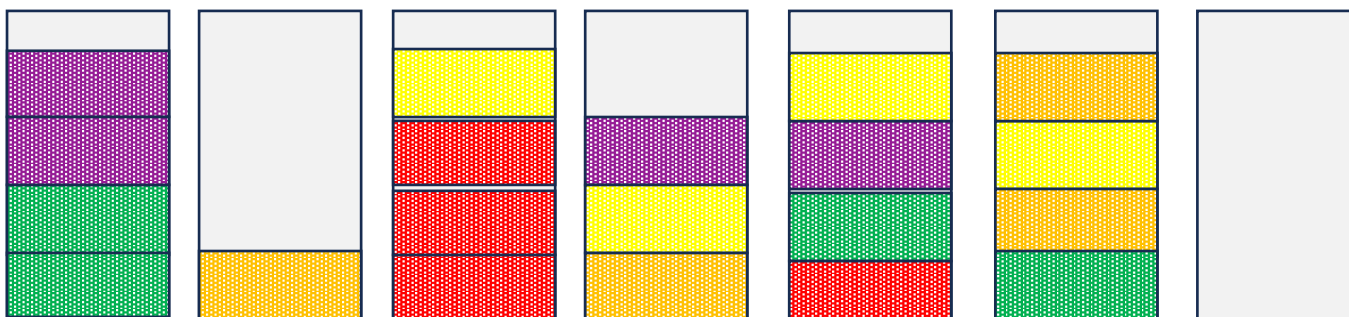
Get someone from your church to turn 20 circles of wood that fit in seven glasses. Then paint them the colours below (four of each colour). Place them in the correct arrangement as below (note one glass starts empty). Teams can then tip each piece into another glass to play the game.

### Medium preparation

Paint five toilet rolls: purple, green, orange, yellow red. Cut them all into four sections. Place them in seven glasses in the correct arrangement as below (note one glass starts empty). Teams can then tip each piece into another glass to play the game.

### Easy preparation

On A3 card, print out pages 36 and 37. Cut out each coloured rectangle on page 36. Page 37 is the glasses. Arrange them in the correct order (as below). Make resetting faster by printing out enough glasses and cards for each team to have their own. Then you can pre-prepare for each team.



Instructions for players are below. You just need to watch that they never add a colour to a different colour, so for example, they can't pour the purple in glass 4 into the orange in glass 2 to free up the yellow to be put into the empty glass 7. If they do that, just put the purple back.

Put on the door out/space before the next area one of the passcode tumblers, with a drywipe pen nearby for each team to fill in the passcode. You'll also need a cloth to clean off the passcode before the next team arrives.

### When each team arrives...

Say: <sup>17</sup> How precious to me are your thoughts, God!  
How vast is the sum of them!  
<sup>18</sup> Were I to count them,  
they would outnumber the grains of sand—  
when I awake, I am still with you.

King David realises that God's thoughts are **vast**. Reading the Bible, we discover that God is a personal God - he has personal thoughts about each of us. Jesus called a tax collector Zacchaeus by name in Luke 19. God's thoughts are also **precious**. God created each one of us and he loves us. He wants us to know and love him. He loved us so much he sent Jesus, his only Son, to die for us (John 3.16). David says that God's precious thoughts would outnumber the grains of sand.

For this challenge, you will need to get all the coloured 'sand' in the right glasses.

Each glass contains one or more different colours of 'sand'. You will need to move them from one glass to another until all of one colour of 'sand' is in one glass. When five glasses only have one colour in, then you are finished. You can only ever add a colour of sand to a glass that is topped with that colour or an empty glass. You can never overflow a glass, so they must only ever have four layers in them.

Does everyone understand? You can start.

When the team has completed the challenge, there should be five full glasses, each with the same colour sand in them and two empty glasses. Say:

The passcode starts with the number of layers of sand in each of the seven glasses at the end of the challenge, starting with the largest number, finishing with the smallest number. The last passcode number is the number of layers of sand that there was in the glass with least sand in it at the start of the challenge.

This should lead to them putting five 4s, two 0s, and the glass with least sand had no layers of sand at the start of the challenge, so one more 0. If they say it's now only one layer of sand, just let them have 11111000.

When they have filled in the correct passcode: **4 4 4 4 4 0 0 0** then...

Say: You need to go to [Room/Area 8] to find your next challenge.

Remember to clean the numbers off the wipe-clean sheet and set up a new puzzle before the next team arrives!

