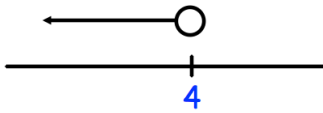
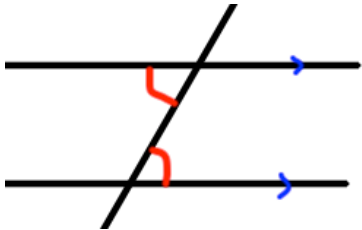




Day 1

Question	
1	What do the angles add up to in a pentagon?
2	Write 20 as a product of primes
3	Add a half and a third
4	How is density calculated?
5	Sketch alternate angles
6	What is 5 cubed?
7	Show $x < 4$ on a number line
8	What is the surface area of a cube with side length 3cm?
9	If a polygon is "regular" what does that mean?
10	Simplify root 8

Answers

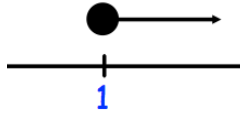
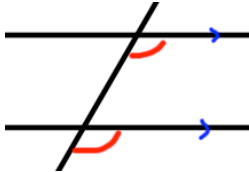
1	540°	6	125
2	2 x 2 x 5	7	
3	five sixths	8	54cm ²
4	mass divided by volume	9	each angle is equal each side is equal
5		10	2 root 2



Day 2

Question	
1	What do the angles add up to in a heptagon?
2	Write 18 as a product of primes
3	Add a fifth and two thirds
4	How is speed calculated?
5	Sketch corresponding angles
6	What is 3 to the power of 4?
7	Show $x \geq 1$ on a number line
8	What is the surface area of a cube with side length 5cm?
9	What does tessellate mean?
10	Simplify root 20

Answers

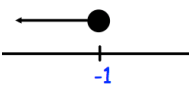
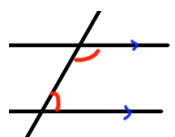
1	900°	6	64
2	$2 \times 3 \times 3$	7	
3	$13/15$	8	150cm^2
4	distance divided by time	9	The shape fits together with no gaps.
5		10	$2\sqrt{5}$



Day 3

Question	
1	What do the angles add up to in a hexagon?
2	Write 30 as a product of primes
3	Add three quarters and a tenth
4	How is the distance of a journey calculated?
5	Sketch co-interior angles
6	What is 2 to the power of 5?
7	Show $x \leq -1$ on a number line
8	What is the surface area of a cube with side length 2cm?
9	What does reciprocal mean?
10	Simplify root 32

Answers

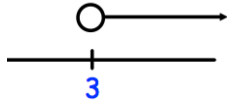
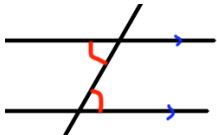
1	720°	6	32
2	$2 \times 3 \times 5$	7	
3	$17/20$	8	24cm^2
4	Speed times time	9	“flipping over a fraction” “1 over a number” “a number that multiplies by another number to give 1”
5		10	$4\sqrt{2}$



Day 4

Question	
1	What do the angles add up to in a pentagon?
2	Write 100 as a product of primes
3	Add three tenths and a third
4	How is mass calculated? If you know the density of an object and the volume of an object.
5	Sketch alternate angles
6	What is 6 cubed?
7	Show $x > 3$ on a number line
8	What is the surface area of a cube with side length 10cm?
9	What number has no reciprocal?
10	Simplify root 75

Answers

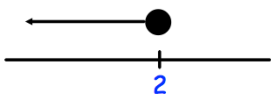
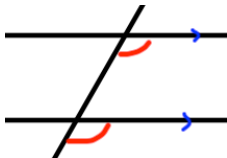
1	540°	6	216
2	$2 \times 2 \times 5 \times 5$	7	
3	19/30	8	600cm ²
4	density times volume	9	0
5		10	5root3



Day 5

Question	
1	What do the angles add up to in an octagon?
2	Write 24 as a product of primes
3	Add seven twentieths and a quarter
4	How is the volume of an object calculated? If you know the density and mass of the object.
5	Sketch corresponding angles
6	What is 2 to the power of 6?
7	Show $x \leq 2$ on a number line
8	What is the surface area of a cube with side length 4cm?
9	What does the word equidistant mean?
10	Simplify root 600

Answers

1	1080°	6	64
2	$2 \times 2 \times 2 \times 3$	7	
3	12/20 or 3/5	8	96cm ²
4	mass divided by density	9	equal distance. Commonly used in Loci or construction questions
5		10	10 root 6