

Let's Practise Using the Bar Model: Division (Year 3)

Name.....

Date..... Class.....

In this pack, you will meet Buzz, Armstrong and Sharman who are all astronauts on a mission to space.

1. Three astronauts split 12 pieces of chocolate between them. How many pieces do they each get?



2. There are 24 controls on the spaceship's control panel. The controls are grouped into 4 equal sections. How many controls are in each section?



3. 36 food parcels are shared equally between 3 containers. How many food parcels are in each container?



4. There are 40 space biscuits in the box. They are split equally between 5 astronauts. How many biscuits does each astronaut get?



5. To pass time astronauts love to draw! The astronauts keep their drawing pencils in pots. There are 36 pencils spread equally between 4 pots. How many pencils are in each pot?



6. On board the spaceship, clothes are stored on 4 shelves. Overall the astronauts have 28 pieces of clothing. If they shared the clothes equally between the 4 shelves, how many pieces should go on each shelf?



7. There are 56 space gloves in the space shop. Half of them are red and half are white. How many white gloves are there?



8. 4 spaceships each have 9 astronauts on board. Half of these astronauts are boys. How many are girls?



9. The space centre gives the three astronauts 2 and a half hours phone home time. They split the time equally between them. How many minutes does each astronaut have to phone home?



_____ min

10. The space shower can run for a total of 27 minutes a day. Aldrin showers for 17 minutes. How much time do each of the other two astronauts get if they split the remaining time equally?



_____ min

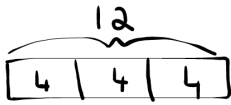
11. The 3 astronauts save their space money up until they have £48. They then share it equally between themselves. How much money does each astronaut get?



£ _____

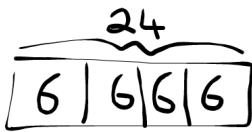
Answers:

- 1 Three astronauts split 12 pieces of chocolate between them. How many pieces do they each get?



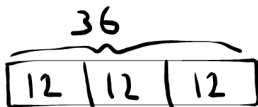
Answer: 4
Content: 3C6

- 2 There are 24 controls on the spaceship's control panel. The controls are grouped into 4 equal sections. How many controls are in each section?



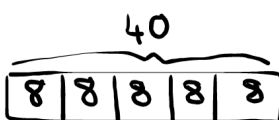
Answer: 6
Content: 3C7

- 3 36 food parcels are shared equally between 3 containers. How many food parcels are in each container?



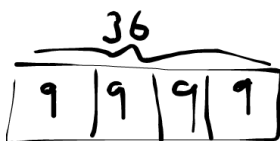
Answer: 12
Content: 3C7

- 4 There are 40 space biscuits in the box. They are split equally between 5 astronauts. How many biscuits does each astronaut get?



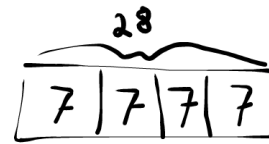
Answer: 8
Content: 3C6

- 5 To pass time astronauts love to draw! The astronauts keep their drawing pencils in pots. There are 36 pencils spread equally between 4 pots. How many pencils are in each pot?



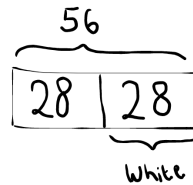
Answer: 9
Content: 3C7

- 6 On board the spaceship, clothes are stored on 4 shelves. Overall the astronauts have 28 pieces of clothing. If they shared the clothes equally between the 4 shelves, how many pieces should go on each shelf?



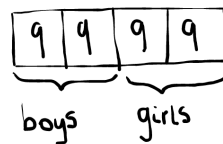
Answer: 7
Content: 3C7

- 7 There are 56 space gloves in the space shop. Half of them are red and half are white. How many white gloves are there?



Answer: 28
Content: 3C7

- 8 4 spaceships each have 9 astronauts on board. Half of these astronauts are boys. How many are girls?



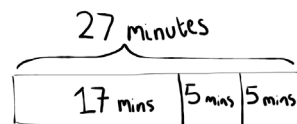
Answer: 18
Content: 3C6

- 9 The space centre gives the three astronauts 2 and a half hours phone home time. They split the time equally between them. How many minutes does each astronaut have to phone home?



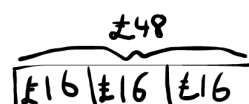
Answer: 50 minutes
Content: 3C7

- 10 The space shower can run for a total of 27 minutes a day. Aldrin showers for 17 minutes. How much time do each of the other two astronauts get if they split the remaining time equally?



Answer: 5 minutes
Content: 3C6

- 11 The 3 astronauts save their space money up until they have £48. They then share it equally between themselves. How much money does each astronaut get?



Answer: £16
Content: 3C6