

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

Name.....

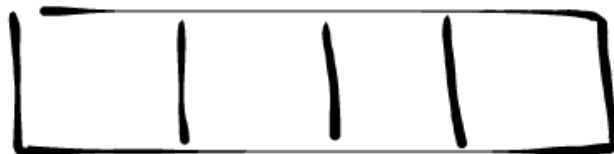
Date..... Class.....

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

1. Each astronaut has 4 limbs, how many limbs are there on 3 astronauts?



2. There are four sides to the rocket, each side has 7 windows. How many windows are there?



3. A space bike has two wheels. If there are 3 space bikes on the rocket, how many wheels will there be?



4. Each spacesuit has 8 different pockets. Sharman stores 7 space tortillas in each pocket. How many space tortillas does he have in total?



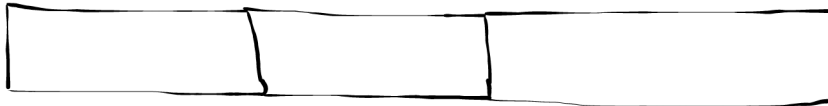
5. Each of the 3 astronauts has 8 chocolates, how many chocolates do the astronauts have all together?



6. Some of the rooms on the rocket are pentagonal and have 5 sides. There are 4 of these rooms. How many sides do all of the pentagonal rooms have?

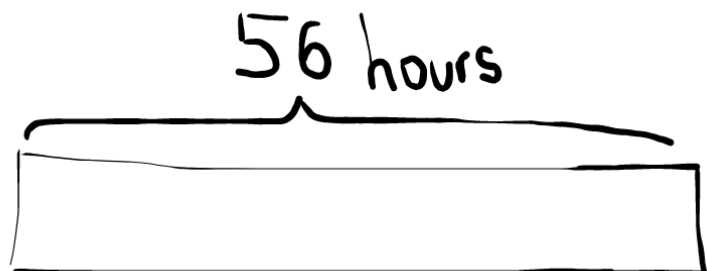


7. Usually, each astronaut must exercise for 45 minutes a day. Today, Buzz is doing an hour of exercise. How many minutes do the three astronauts spend exercising altogether?



_____ min

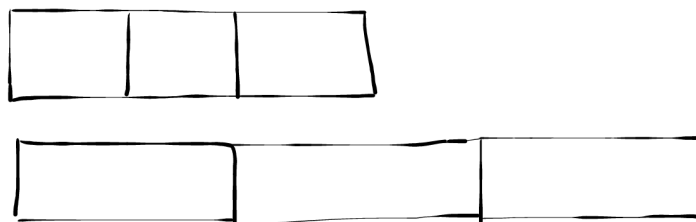
8. Armstrong spends eight hours sleeping each night, how many nights would it take him to get 56 hours of sleep?



9. There are 12 control panels in each room, how many control panels are there in half of 6 rooms?



10. Buzz has 3×4 space sweets; Armstrong has 3×8 sweets. How many sweets do they have all together?

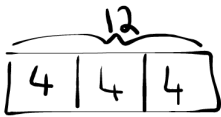


11. Armstrong takes a sip of his space drink 28 times each day. How many sips will he take over 4 days?



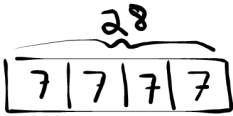
Answers:

- 1 Each Astronaut has 4 limbs, how many limbs are there on 3 Astronauts?



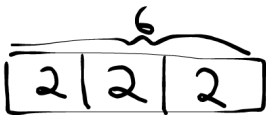
Answer: 12
Content: 3C6

- 2 There are four sides to the rocket, each side has 7 windows. How many windows are there?



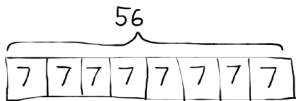
Answer: 28
Content: 3C6

- 3 A space bike has two wheels. If there are 3 space bikes on the rocket, how many wheels will there be?



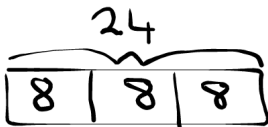
Answer: 6
Content: 3C6

- 4 Each spacesuit has 8 different pockets. Sharman stores 7 space tortillas in each pocket. How many space tortillas does he have in total?



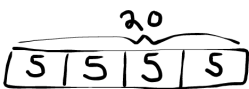
Answer: 56
Content: 3C6

- 5 Each of the 3 astronauts has 8 chocolates, how many chocolates do the astronauts



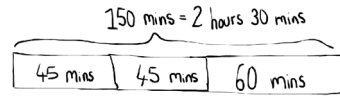
Answer: 24
Content: 3C6

- 6 Some of the rooms on the rocket are pentagonal and have 5 sides. There are 4 of these rooms. How many sides do all of the pentagonal rooms have?



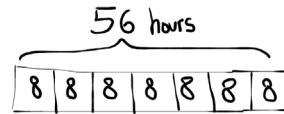
Answer: 20
Content: 3C6

- 7 Usually, each astronaut must exercise for 45 minutes a day. Today, Buzz is doing an hour of exercise. How many minutes do the three astronauts spend exercising altogether?



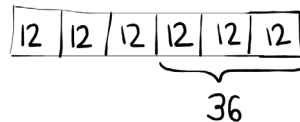
Answer: 150 min
Content: 3C7, 3M4d

- 8 Armstrong spends eight hours sleeping each night, how many nights would it take him to get 56 hours of sleep?



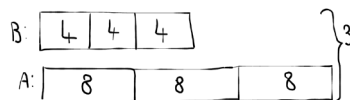
Answer: 7
Content: 3C6

- 9 There are 12 control panels in each room, how many control panels are there in half of 6 rooms?



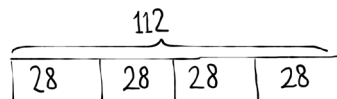
Answer: 36
Content: 3C6

- 10 Buzz has 3 x 4 space sweets; Armstrong has 3 x 8 sweets. How many sweets do they have all together?



Answer: 36
Content: 3C6

- 11 Armstrong takes a sip of his space drink 28 times each day. How many sips will he take over 4 days?



Answer: 112
Content: 3C7