Task 1: Column Subtraction

Last week, SpaceX launched two NASA astronauts to the International Space Station today, becoming the first company to send humans to orbit on a commercial spaceship!

Astronauts often need to use maths, science and computing to use the control systems inside of the space craft. However, they seem to have forgotten how to use column subtraction!

Can you help them by solving these calculations?

Task 1: Column Subtraction

Have a go!

1. 357-126 =
2. 268- 125 =
3. 475 – 134 =
4. 539-137=
5. 657- 36 =
6. 428 – 115 =
7. 827-221 =
8. 359 – 254 =
9. 277 – 215 =
10. 466 – 124 =

1.357-126 = 231

2.268- 125 = 143

3.475 – 134 = 341

4.539-137= 402

5.657- 36 = 621

6.428 – 115 = 313

7.827-221 = 606

8.359 – 254 = 105

9.277 – 215 = 62

10.466 – 124 = 342

Task 2: Worded Problems

R	Read the question carefully	Find the important information – underline it!
U	Understand the question	What do you have to find out? Draw a 'picture' of the question, if it helps.
C	Choose the correct method of calculation	+ – x ÷ What method is best for you to use?
S	Solve the problem	Show every step and keep your working out neat.
A	Answer the question	Read the question again – have you answered it? Make the answer clear.
C	Check your answer	Does it make sense? Find a way to check – estimate or use the inverse.

Task 2: Worded Problems

1. An astronomer spotted 563 shooting stars during the month of April. They saw 233 less shooting stars in May. How many shooting stars did they see in May?

2. An astronaut doesn't know how long Shuttle 1 is. He knows that Shuttle 2 is 670cm and this is 160 cm longer that Shuttle 1. How long is Shuttle 1?

3. The astronauts left the International Space Station and it took them 180 minutes less time than they thought it would take them to return to earth. They thought it would take them 499 minutes instead. How long did it take them to return to earth?

4. Neil Armstrong's space craft was on the moon for 1,260 minutes. He walked outside for 120 minutes. How long did he spend inside the space craft?

5. Zogg has lived in space for 372 years. Zita has lived in space for 151 years less that Zogg. How long has Zita lived in space?

Task 2: Answers

1. An astronomer spotted 563 shooting stars during the month of April. They saw 233 less shooting stars in May. How many shooting stars did they see in May? Answer : 330

2. An astronaut doesn't know how long Shuttle 1 is. He knows that Shuttle 2 is 670cm and this is 160 cm longer that Shuttle 1. How long is Shuttle 1? Answer : 510cm

3. The astronauts left the International Space Station and it took them 180 minutes less time than they thought it would take them to return to earth. They thought it would take them 499 minutes instead. How long did it take them to return to earth? Answer : 319

4. Neil Armstrong's space craft was on the moon for 1,260 minutes. He walked outside for 120 minutes. How long did he spend inside the space craft? Answer : 1,1,40 minutes

5. Zogg has lived in space for 372 years. Zita has lived in space for 151 years less that Zogg. How long has Zita lived in space? Answer : 221 years
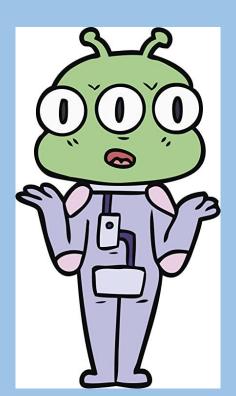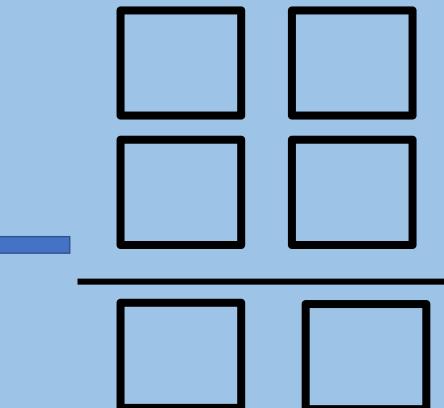
Task 3 – Problem Solving

Zogg has got himself into a bit of a muddle while counting
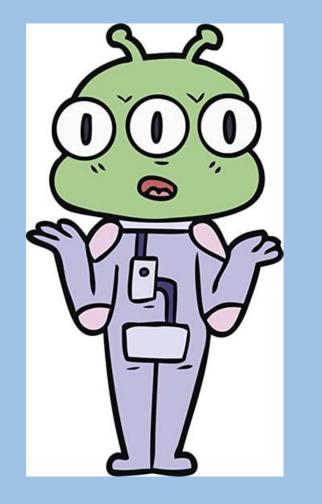space rocks!

Use these 4 digits in the four spaces. What are all the possible
answers you can find?

2, 5, 7 8

Task 3 – Answers

82 – 75 = 7
75 – 28 = 47
85 – 72 = 13
78 – 25 = 53
72 – 58 = 14
85 – 27 = 58
82 – 57 = 25
87 – 25 = 62
78 – 52 = 26
57 – 28 = 29
58 – 27 = 31
87 – 52 = 35