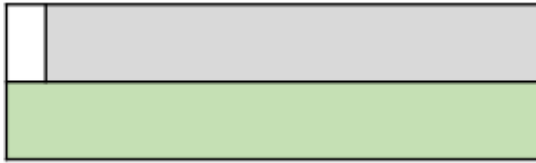




3a. Use the bar models to represent and complete the following calculation:

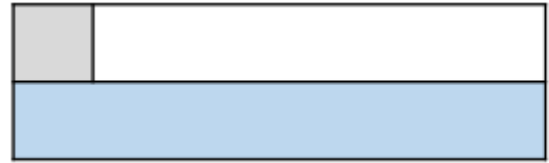
$$0.01 + \boxed{\phantom{00}} = 1$$



VF

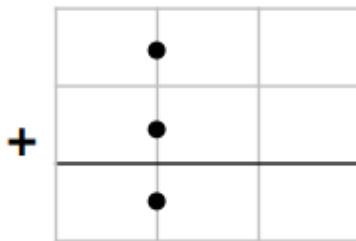
3b. Use the bar models to represent and complete the following calculation:

$$0.83 + \boxed{\phantom{00}} = 1$$



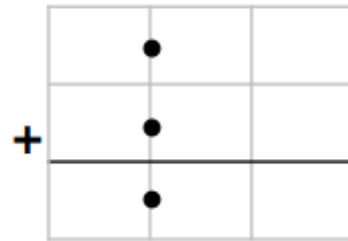
VF

4a. True or false?  $0.62 + 0.48 = 1$



VF

4b. True or false?  $0.37 + 0.63 = 1$



VF

5a. Fill in the blanks.

$$0.81 + \boxed{\phantom{00}} = 1$$

$$0.13 + \boxed{\phantom{00}} = 1$$



VF

5b. Fill in the blanks.

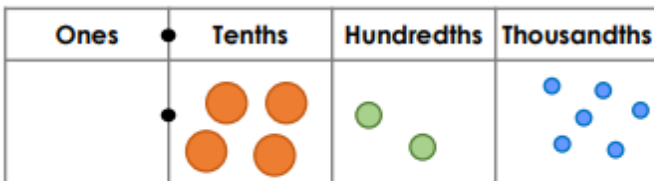
$$0.48 + \boxed{\phantom{00}} = 1$$

$$0.61 + \boxed{\phantom{00}} = 1$$



VF

6a. Look at the place value chart.

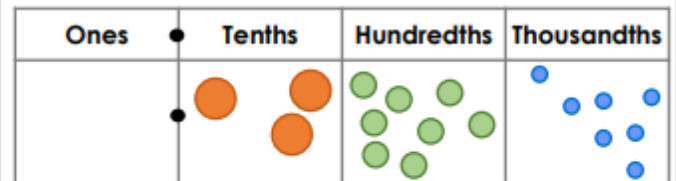


If we add 0.09 which columns would change? What would the new digits be?



VF

6b. Look at the place value chart.

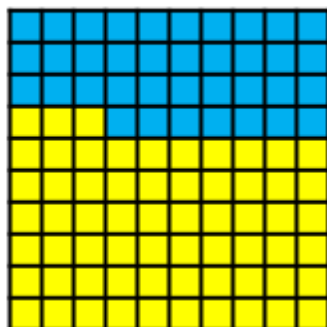


If we add 0.008 which columns would change? What would the new digits be?



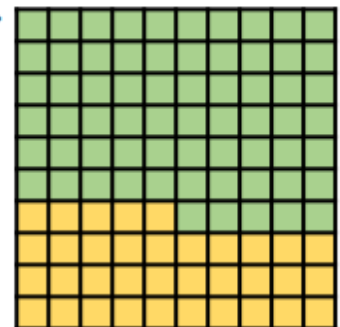
VF

7a. Use the hundred square to create a subtraction and addition calculation with decimal numbers.



VF

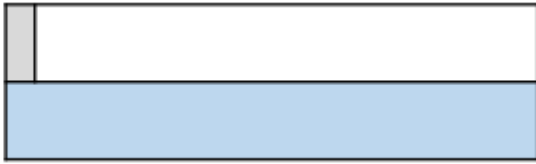
7b. Use the hundred square to create a subtraction and addition calculation with decimal numbers.



VF

8a. Use the bar models to represent and complete the following calculation:

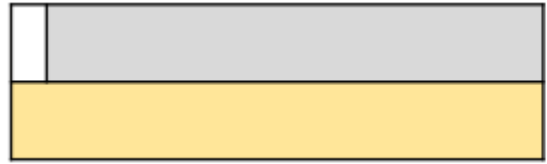
$$0.014 + \boxed{\phantom{000}} = 1$$



VF

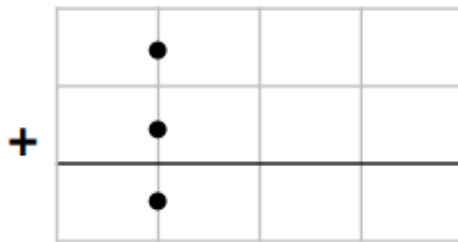
8b. Use the bar models to represent and complete the following calculation:

$$0.048 + \boxed{\phantom{000}} = 1$$



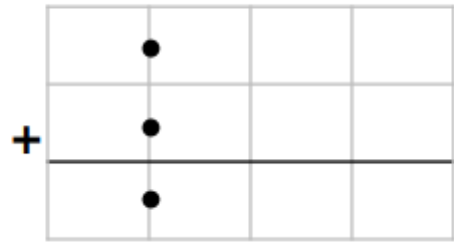
VF

9a. True or false?  $0.709 + 0.391 = 1$



VF

9b. True or false?  $0.357 + 0.643 = 1$



VF

10a. Fill in the blanks.

$$0.067 + \boxed{\phantom{000}} = 1$$

$$0.284 + \boxed{\phantom{000}} = 1$$



VF

10b. Fill in the blanks.

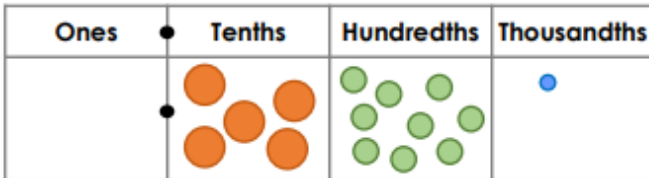
$$0.129 + \boxed{\phantom{000}} = 1$$

$$0.608 + \boxed{\phantom{000}} = 1$$



VF

11a. Look at the place value chart.

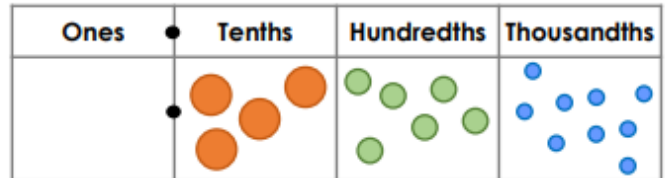


If we add 0.099 which columns would change? What would the new digits be?



VF

11b. Look at the place value chart.

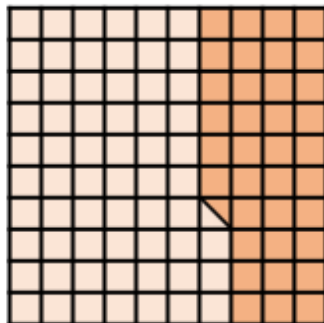


If we add 0.678 which columns would change? What would the new digits be?



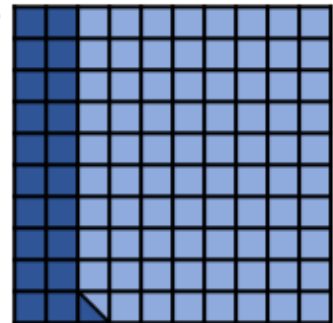
VF

12a. Use the hundred square to create a subtraction and addition calculation with decimal numbers.



VF

12b. Use the hundred square to create a subtraction and addition calculation with decimal numbers.



VF

13a. What needs to be added to the following number to make 1?

zero and eighty-six thousandths



VF

13b. What needs to be added to the following number to make 1?

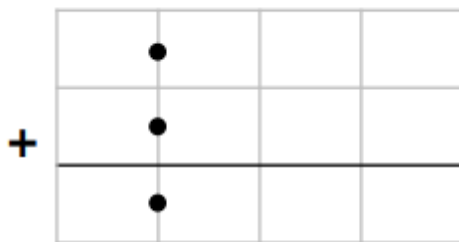
zero ones, one tenth, one hundredth and 9 thousandths



VF

14a. True or false?

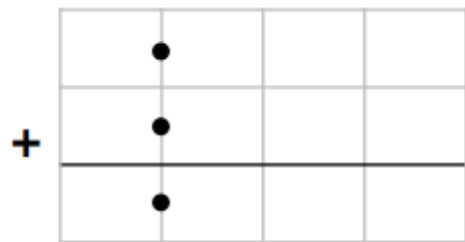
No zeros and seven tenths and seventy-nine thousandths + 0.231 = 1



VF

14b. True or false?

No zeros and one tenth and five thousandths + 0.905 = 1



VF

### Challenge

1a. Look at the calculation below.

$$0.3\boxed{\phantom{0}} + 0.6\boxed{\phantom{0}} = 1$$

Kayla says,



The two digits must be the same.

Is Kayla correct? Explain your answer.

4a. Look at the calculation below.

$$0.3\boxed{\phantom{0}}5 + 0.6\boxed{\phantom{0}}5 = 1$$

Joey says,



The two digits will always be bonds to ten.

Is Joey correct? Explain your answer.

7a. Look at the calculation below.

$$0.1\boxed{\phantom{0}}6 + 0.8\boxed{\phantom{0}}4 = 1$$

Jamal says,



There are 5 possible answers.

Is Jamal correct? Explain your answer.

Our next lesson is English.

Today let's revisit the past perfect tense. Let's refresh our memories by watching the video below.

<https://safeYouTube.net/w/VHvM>

1. Match the correct past perfect verbs to complete each sentence.

A. Jane  a routine for the gymnastics competition.

B. The rally car racer  the race.

C. My siblings and parents  a surprise party for me.

had practised

had finished

had organised

had walked

5. Rewrite the sentences below using the verb in the past perfect form.

A. Harry and Jamil have played football since they were little, but this year they won the league.

B. The car engine failed again so Mum and Dad decided to take it to the garage.

C. The concert has begun but Janet and David made it just in time to see their favourite band.

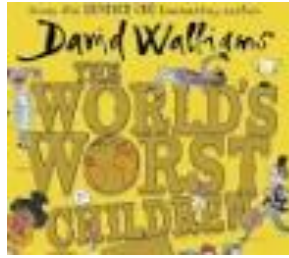
9. Aleema says,



I have written my passage below in the past perfect form.

At the start of my stay in your hotel, I have felt happy with my choice. The lady in reception had been very helpful and has carried my bags to my room. Sadly, I was disappointed with the room overall. The bed was broken and, even though I had reported it, nobody came to repair it or offer me a new room. Also, I have found the shower to be below expected standards of cleanliness and the water had been cold for most of the stay.

Explain and correct her mistakes.



Reading

Today we are going to be listening to an extract from the 'World's Worst Children' by David Walliams.

<https://safeYouTube.net/w/qBQM>

The final lesson is science

## **Paper Helicopter Investigation**

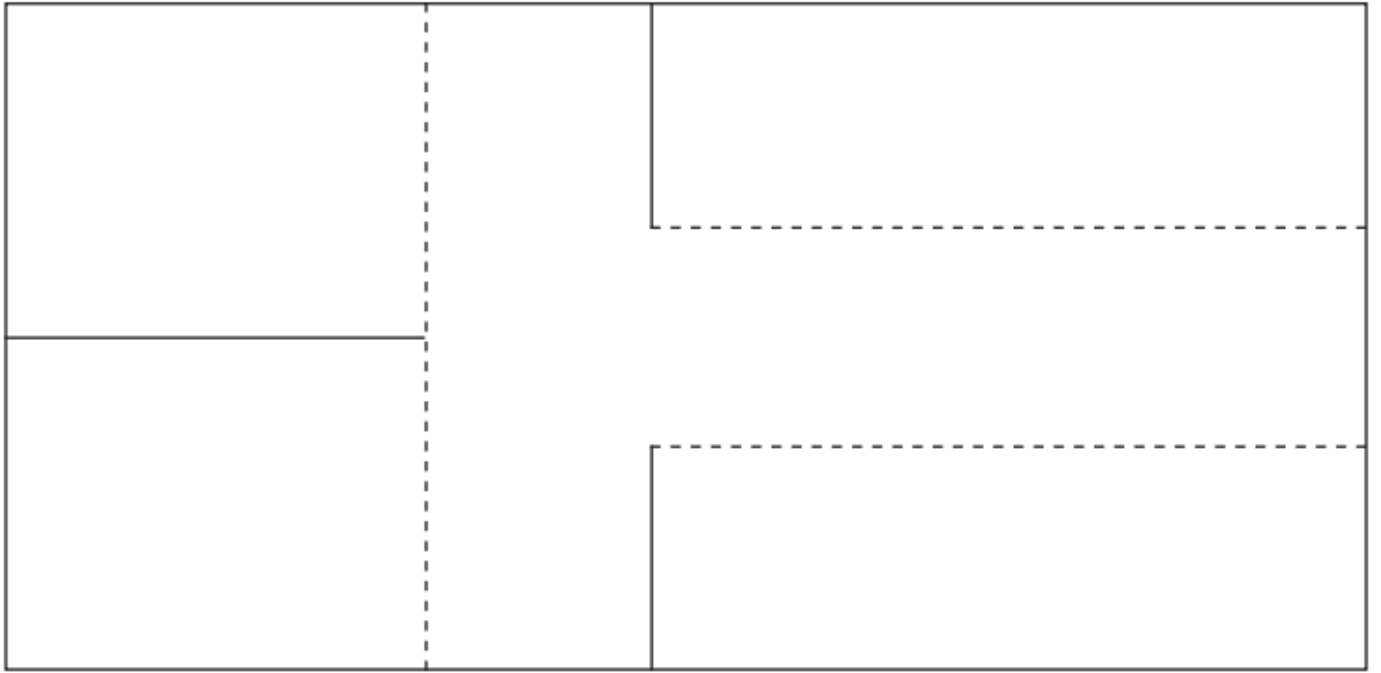
Make a paper helicopter and investigate the effects of air resistance and gravity.

A helicopter hovers in the air as its propellers rotate. Use the template and follow the instructions to create a paper helicopter that spins as it slowly falls to the ground.

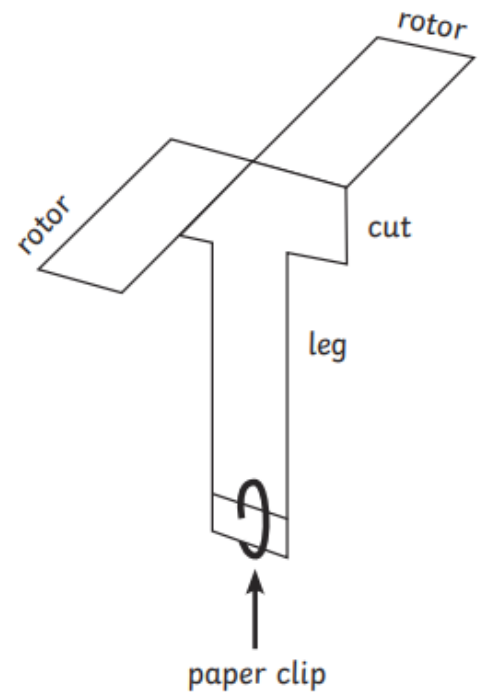
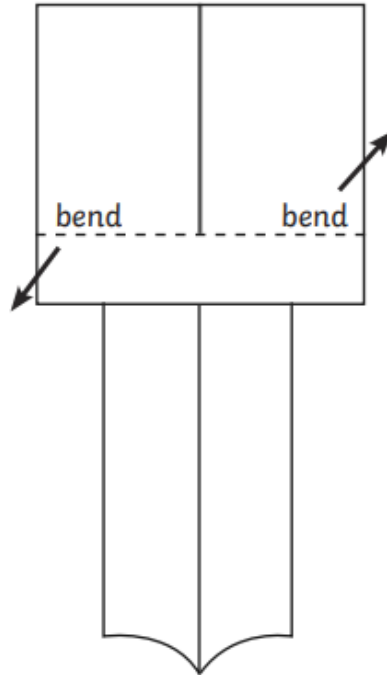
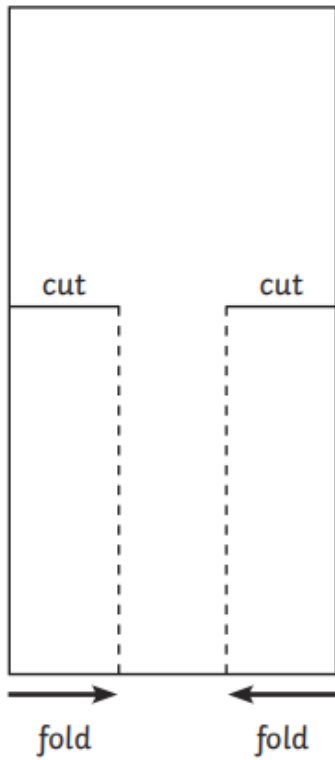
Time how long your paper helicopter takes to fall to the ground. Can you make a new paper helicopter that falls more slowly? Think about the forces of gravity and air resistance, and how you can use them to make the helicopter fall slower.

Draw a picture of your new helicopter and explain how you made it slower.

Draw this on a piece of paper.



Then follow these instructions.



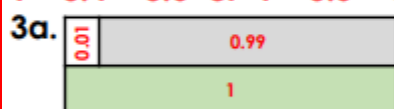
Remember to have time to yourself and to do something you enjoy. Also complete your daily reading.

## Maths answers

**1a.** The ones and the tenths columns would change. The new digits would be 1 in the ones and 0 in the tenths.

**2a.**  $0.4 + 0.6 = 1$

$1 - 0.4 = 0.6$  or  $1 - 0.6 = 0.4$



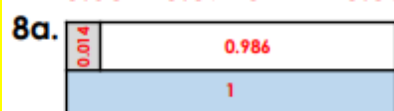
**4a.** False because  $0.62 + 0.48 = 1.1$

**5a.**  $0.19$     $0.87$

**6a.** The hundredths and tenths columns would change. The new digits would be 1 in the hundredths (0.01) and 5 in the tenths (0.5)

**7a.**  $0.37 + 0.63 = 1$

$1 - 0.63 = 0.37$  or  $1 - 0.37 = 0.63$



**9a.** False because  $0.709 + 0.391 = 1.1$

**10a.**  $0.933$     $0.716$

**11a.** The tenths, and the thousandths columns would change. The new digits would be no digit in the thousandths and 6 in the tenths.

**12a.**  $0.635 + 0.365 = 1$

$1 - 0.635 = 0.365$  or  $1 - 0.365 = 0.635$

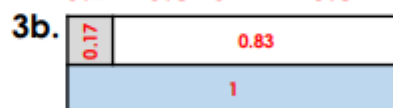
**13a.**  $0.914$

**14a.** False because  $0.779 + 0.231 = 1.01$

**1b.** The hundredths and the tenths columns would change. The new digits would be no digit in the hundredths and 7 in the tenths.

**2b.**  $0.2 + 0.8 = 1$

$1 - 0.2 = 0.8$  or  $1 - 0.8 = 0.2$



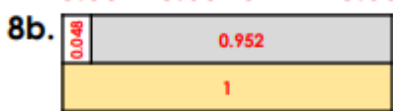
**4b.** True

**5b.**  $0.52$     $0.39$

**6b.** The hundredths and thousandths columns would change. The new digits would be 5 in the thousandths (0.005) and 9 in the hundredths (0.09)

**7b.**  $0.65 + 0.35 = 1$

$1 - 0.35 = 0.65$  or  $1 - 0.65 = 0.35$



**9b.** True

**10b.**  $0.871$     $0.392$

**11b.** The thousandths, hundredths, tenths and ones columns would change. The new digits would be 7 in the thousandths, 4 in the hundredths, 1 in the tenths and 1 in the ones.

**12b.**  $0.205 + 0.795 = 1$

$1 - 0.205 = 0.795$  or  $1 - 0.795 = 0.205$

**13b.**  $0.881$

**14b.** False because  $0.105 + 0.905 = 1.01$

Challenge



1a. Kayla is incorrect. The digits will be number bonds to ten. The two digits will only be the same if they are both 5.

4a. Joey is incorrect. The digits will never be number bonds as then the answer would not be 1 but 1.01. The digits will be a pair of bonds to 9

7a. Jamal is incorrect as there are more than 5 possible answers.

---

## English answers

1. A. had practised, B. had finished, C. had organised

5. A. Harry and Jamil had played football since they were little, but this year they won the league. B. The car engine failed again so Mum and Dad had decided to take it to the garage. C. The concert had begun but Janet and David made it just in time to see their favourite band.

9. Aleema has written three verbs in the present tense instead of the past perfect form. Her passage should say, 'At the start of my stay in your hotel, I had felt happy with my choice. The lady in reception had been very helpful and had carried my bags to my room. Sadly, I was disappointed with the room overall. The bed was broken and, even though I had reported it, nobody came to repair it or offer me a new room. Also, I had found the shower to be below expected standards of cleanliness and the water had been cold for most of the stay.'