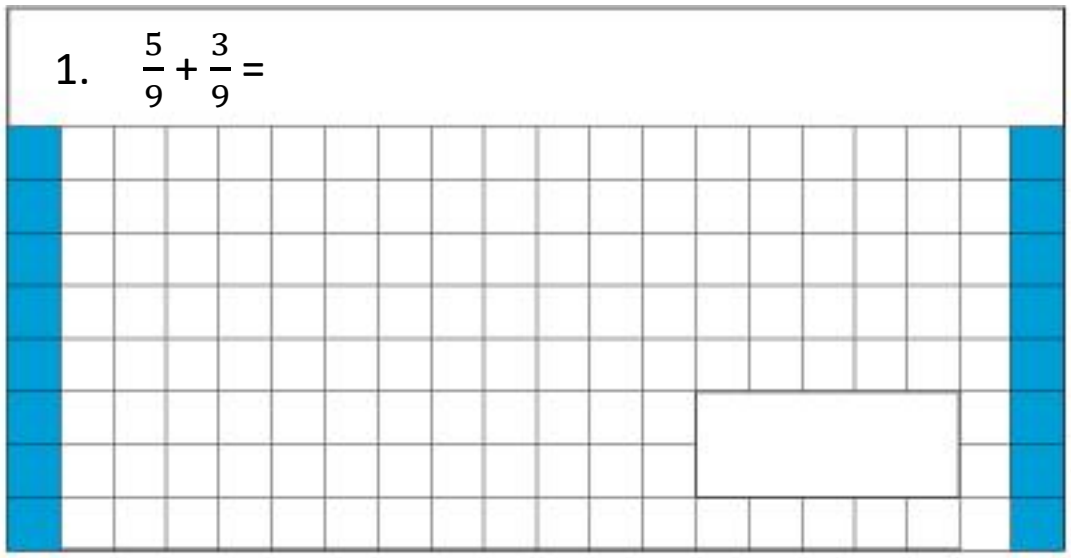
Mathematics
6 weeks of 3 in 3

new year 5 pupils

Commissioned by The PiXL Club Ltd.
April 2018

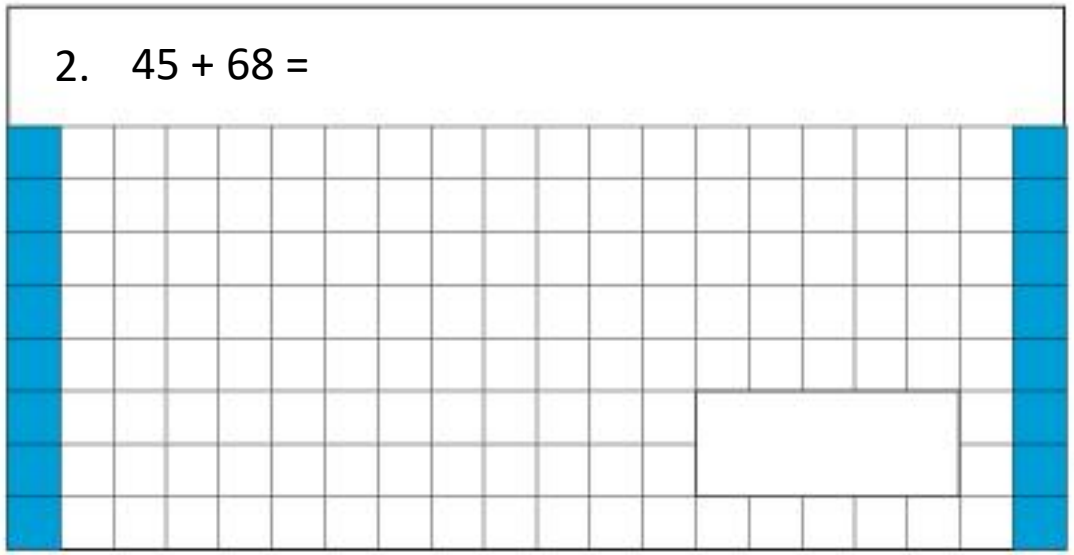
Week 1

1. $\frac{5}{9} + \frac{3}{9} =$



1 mark

2. 45 + 68 =



1 mark

3. Here are three number cards. Choose **two** of the cards to make an **odd** number between 50 and 70.

5	3	6

Solutions

1. $\frac{8}{9}$
2. 113
3. Possible answers: 53, 63, or 65

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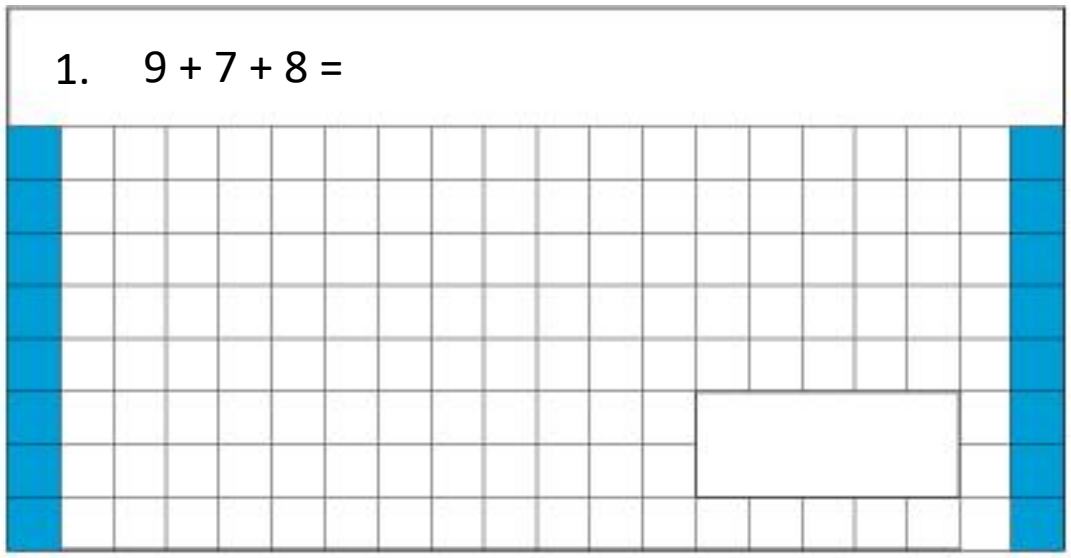
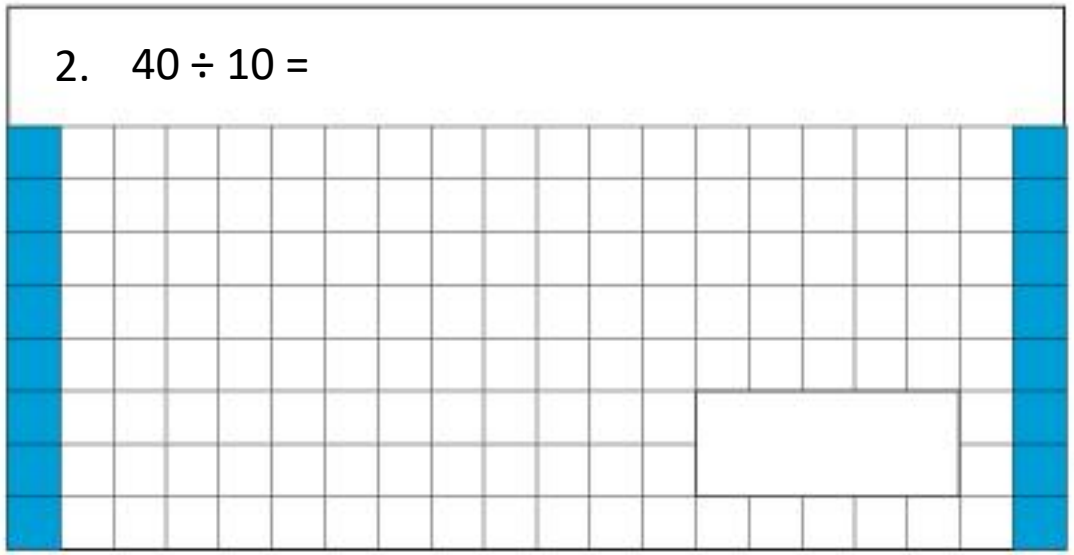
Week 1

1. 9 + 7 + 8 =



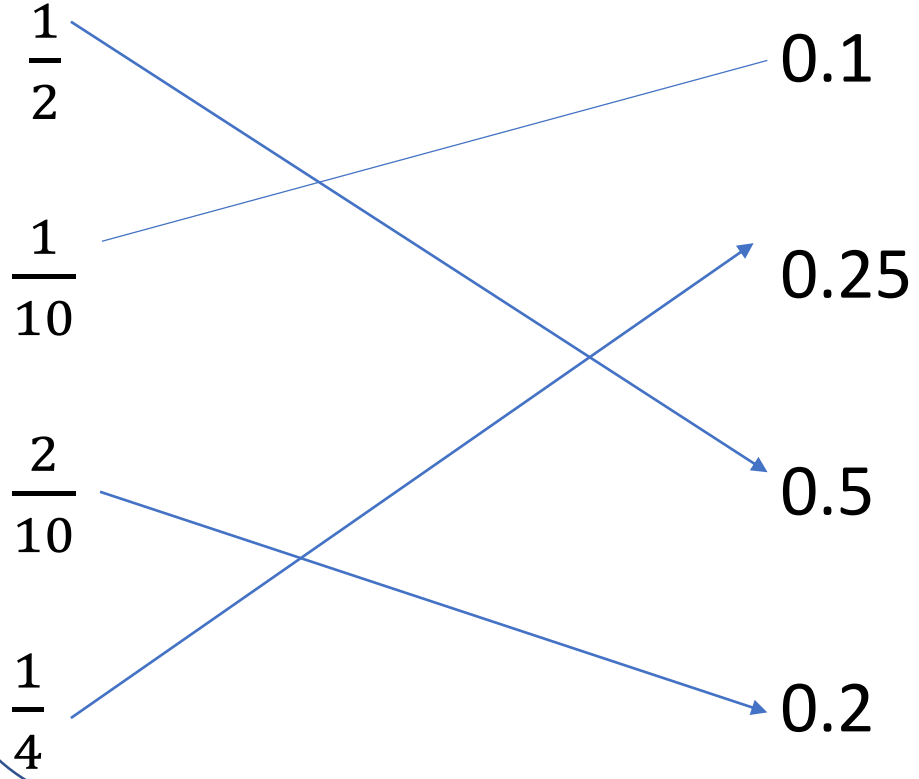
1 mark

2. 40 ÷ 10 =



1 mark

3. **Match** the fractions to their decimal equivalent.



Solutions

1. 24
2. 4
3. Click for animation

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Week 2

1. 26 + 100 =

1 mark

2. $\frac{3}{4}$ of 20 =

1 mark

3. Idris buys a pen which is £1.37. What is the **smallest combination** of coins he could use to pay for it?

Solutions

1. 126
2. 15
3. £1 + (1 x 20p) + (1 x 10p) + (1 x 5p) + (1 x 2p) = £1.37.

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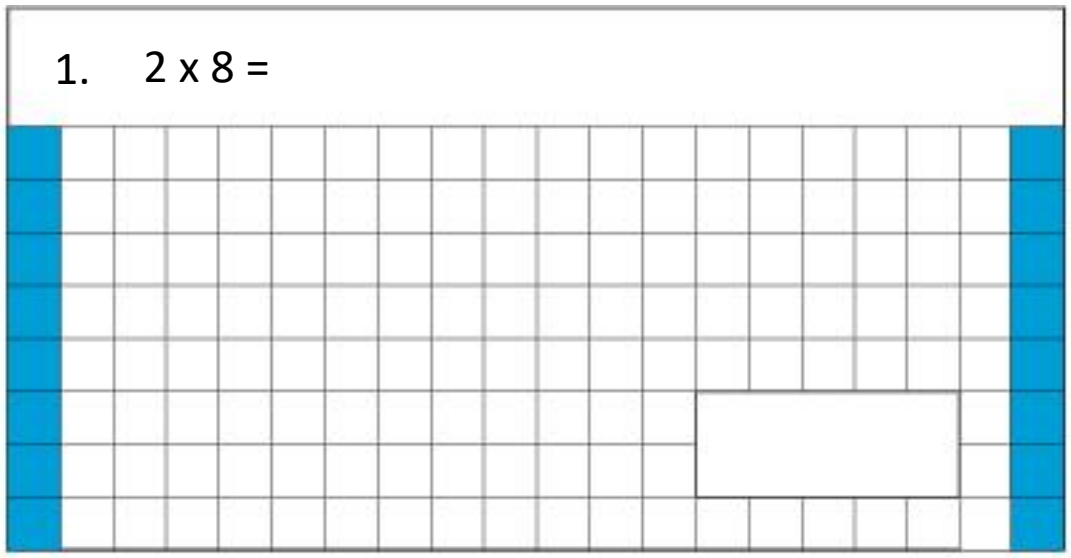
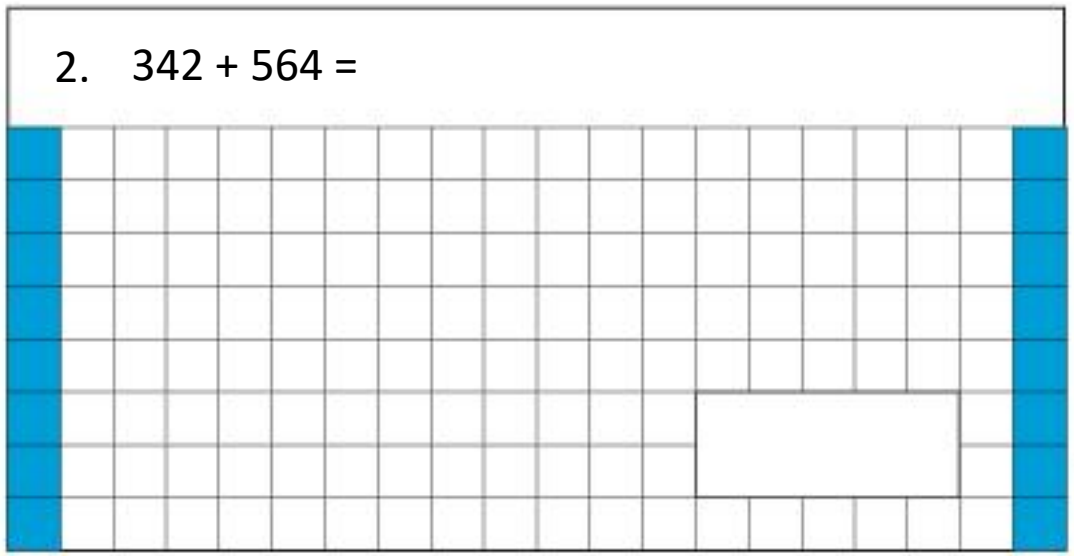
Week 2

1. 2 x 8 =



1 mark

2. 342 + 564 =



1 mark

3. **Round** 45,685

a) to the nearest 10

b) to the nearest 100

c) to the nearest 1,000

Solutions

1. 16
2. 906
3. a) 45,690
   b) 45,700
   c) 46,000

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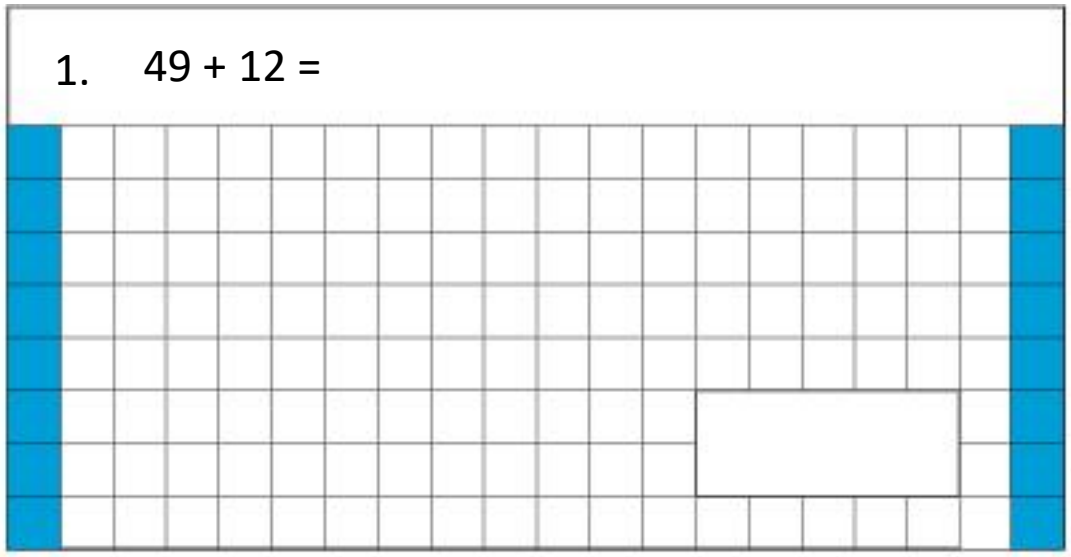
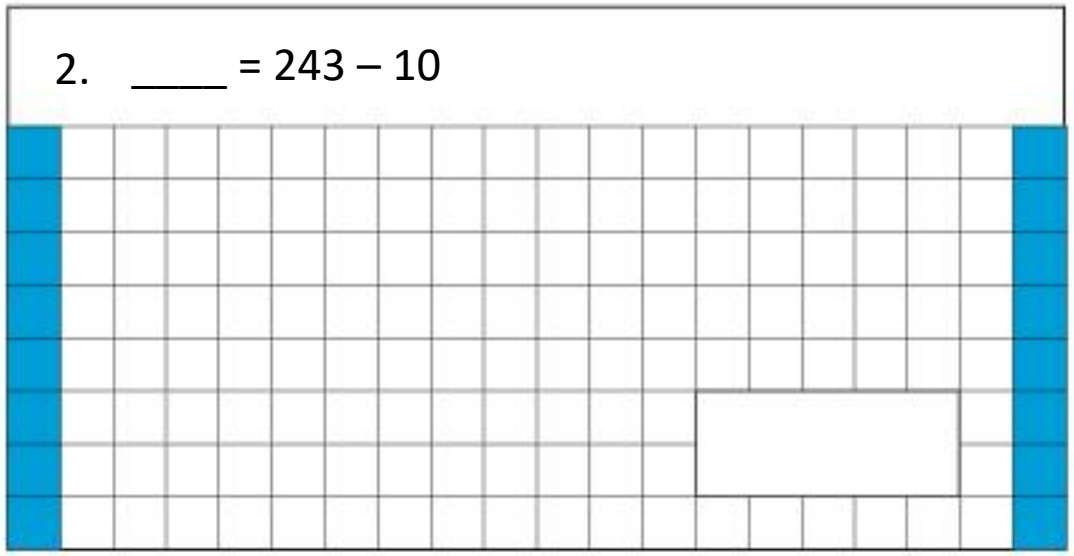
Week 3

1. 49 + 12 =



1 mark

2. ____ = 243 – 10



1 mark

3. Three apples cost the same as two pears. One pear costs £0.60. How much does one apple cost?

<u>Solutions</u>

1. 61
2. 233
3. One apple = £0.40 (40p)

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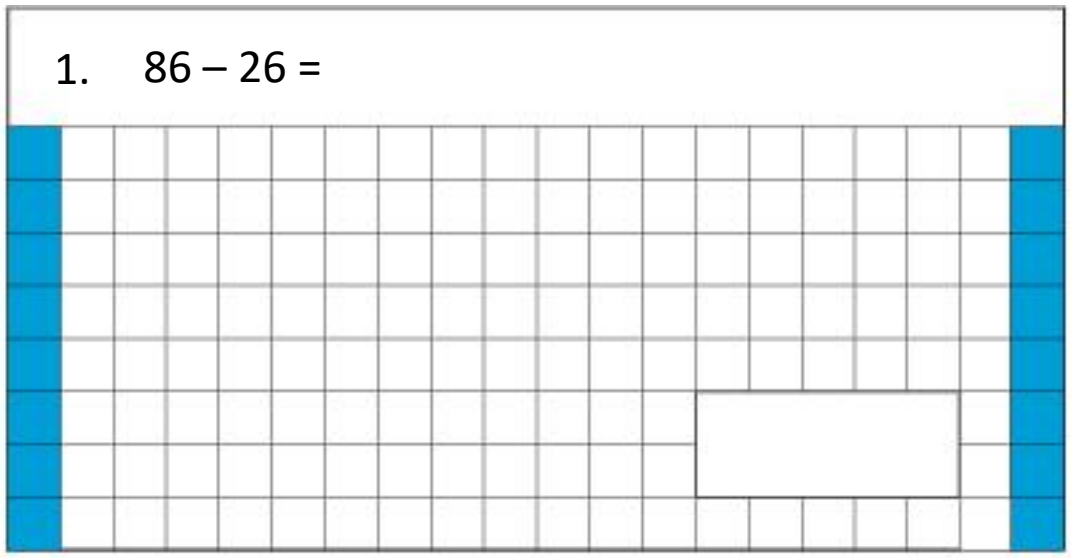
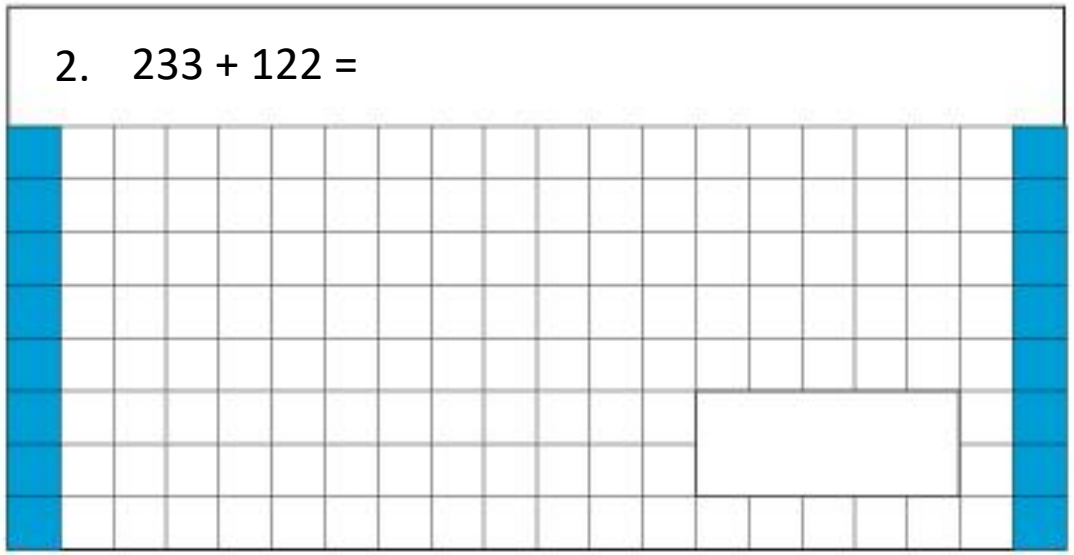
Week 3

1. 86 – 26 =



1 mark

2. 233 + 122 =



1 mark

3. Match the Roman numeral to the correct number.

X	VI	LV	CC
200	55	6	10

<u>Solutions</u>

1. 60
2. 355
3. X = 10; VI = 6; LV = 55; CC = 200

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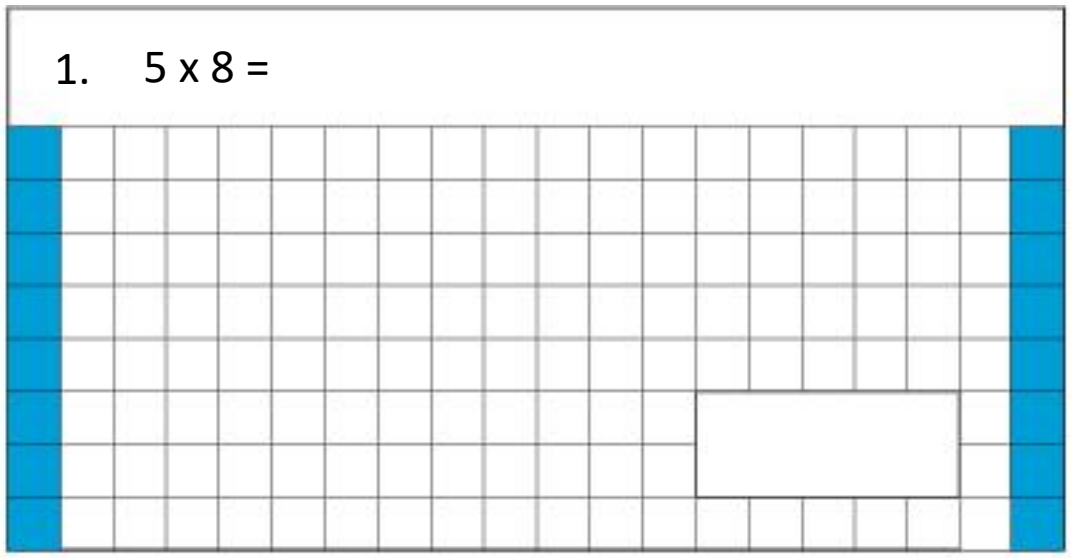
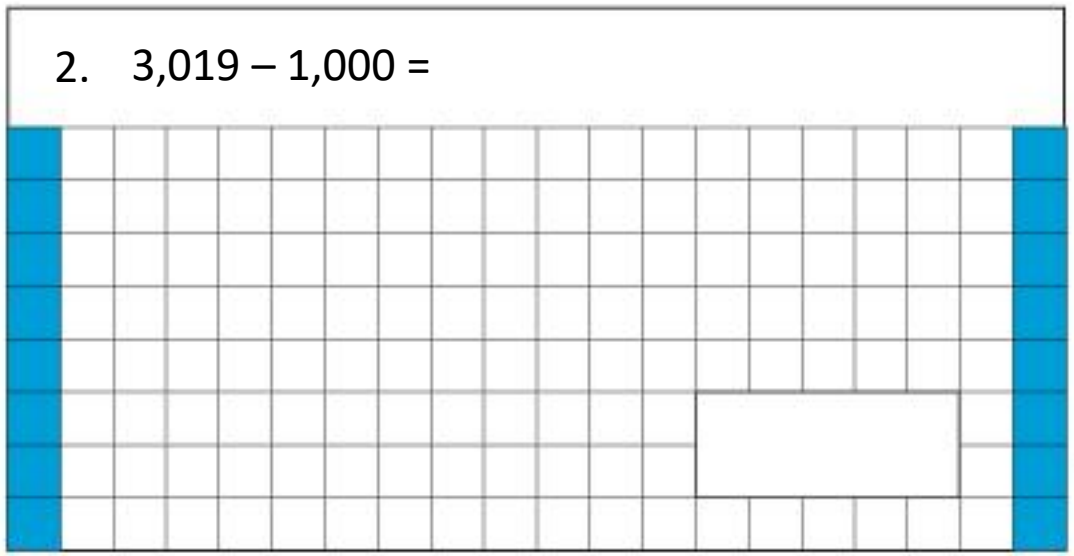
Week 4

1. 5 x 8 =



1 mark

2. 3,019 – 1,000 =



1 mark

3. **Insert** >, < or = to make the statements true.

356	☐	480
3 x 4	☐	12
5 + 15	☐	22 - 8

Solutions

1. 40
2. 2,019
3. <, =, >

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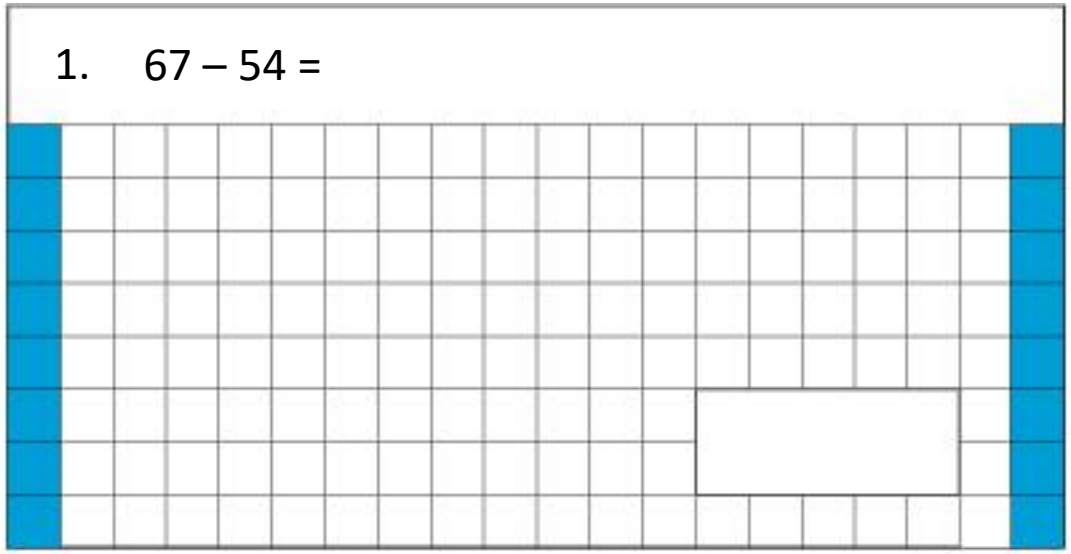
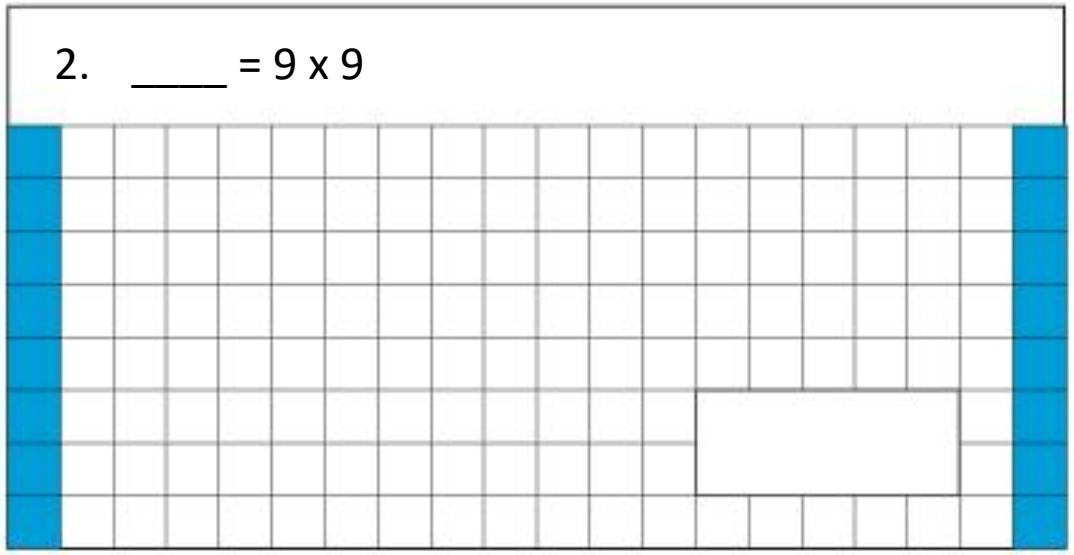
Week 4

1. 67 – 54 =



1 mark

2. ____ = 9 x 9



1 mark

3. The cost of a cinema ticket is £5.60 for a child and £8.20 for an adult. How much would it be **altogether** for 3 children and 1 adult?

<u>Solutions</u>

1. 13
2. 81
3. £25.00

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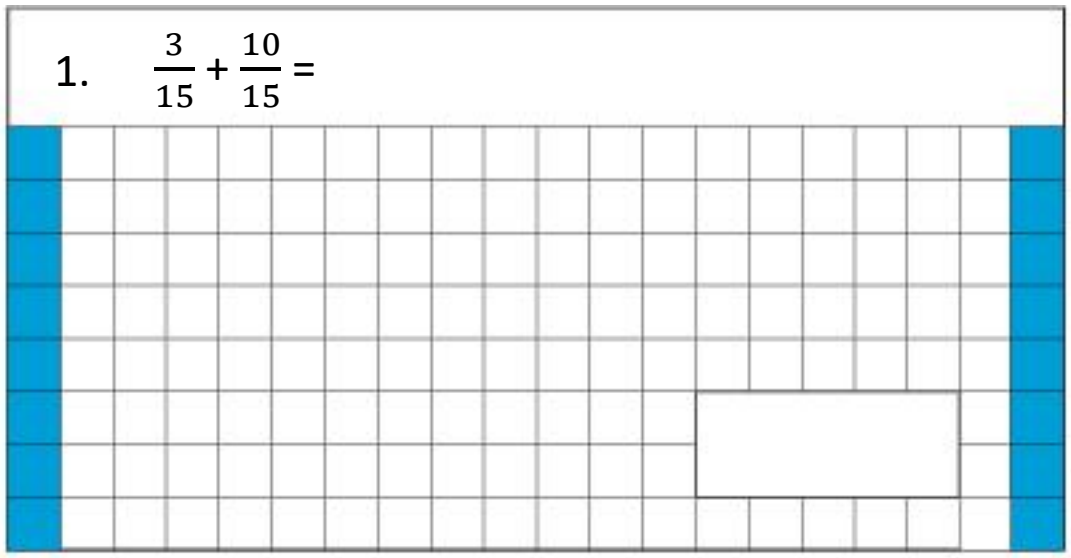
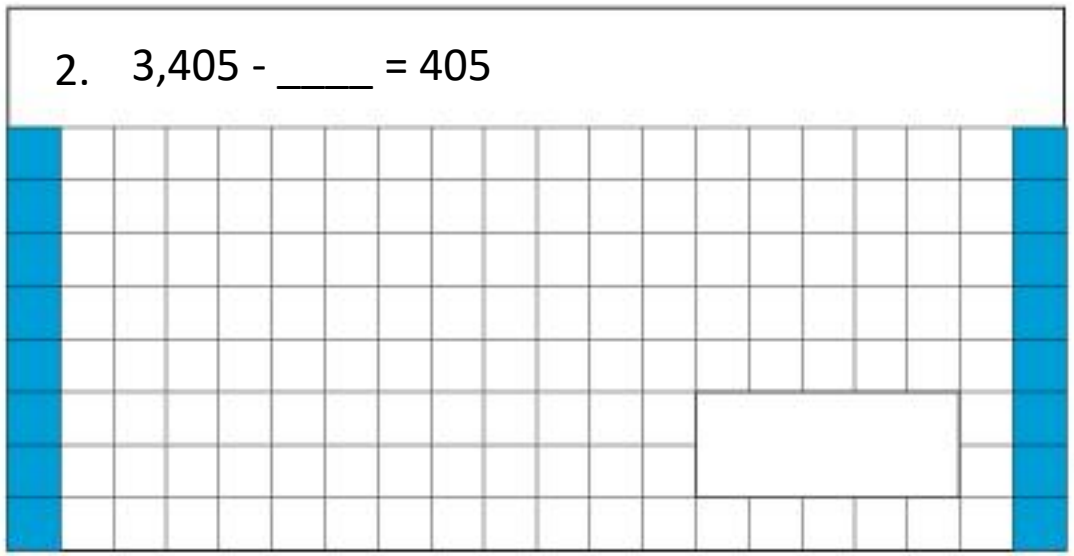
Week 5

1. $\frac{3}{15} + \frac{10}{15} =$



1 mark

2. 3,405 - ____ = 405



1 mark

3. Write down the **two missing numbers** from this sequence.

$\square$, $\frac{5}{100}$, $\frac{7}{100}$, $\frac{9}{100}$, $\square$

Solutions

1. $\frac{13}{15}$
2. 3,000
3. $\frac{3}{100}$, $\frac{11}{100}$

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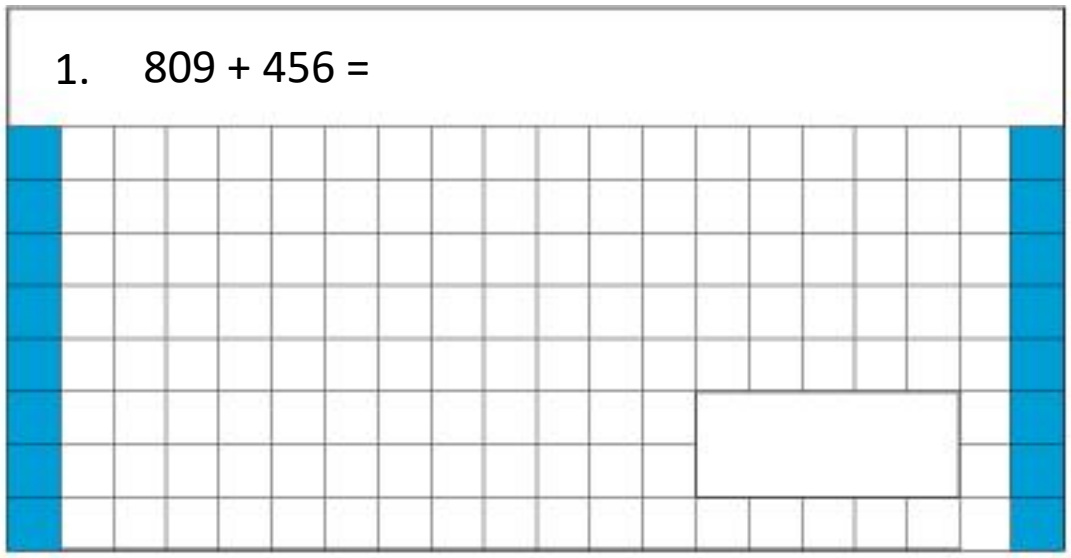
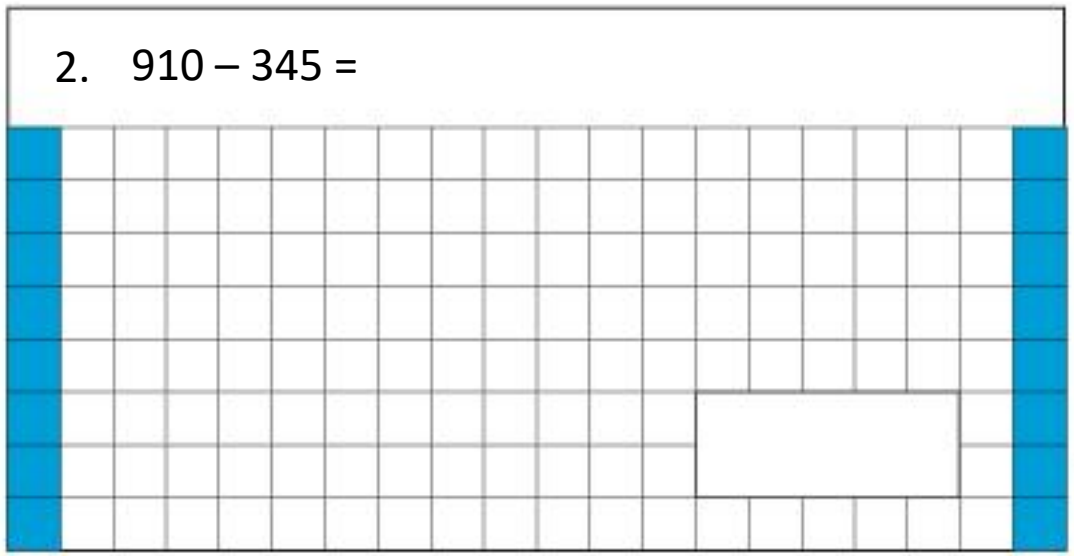
Week 5

1. 809 + 456 =



1 mark

2. 910 – 345 =



1 mark

3. **Tick** the calculation below that is the best estimate for this calculation.

35 + 19 + 22

30 + 20 + 20	A
40 + 15 + 20	B
40 + 20 + 20	C

Solutions

1. 1,265
2. 565
3. Tick C

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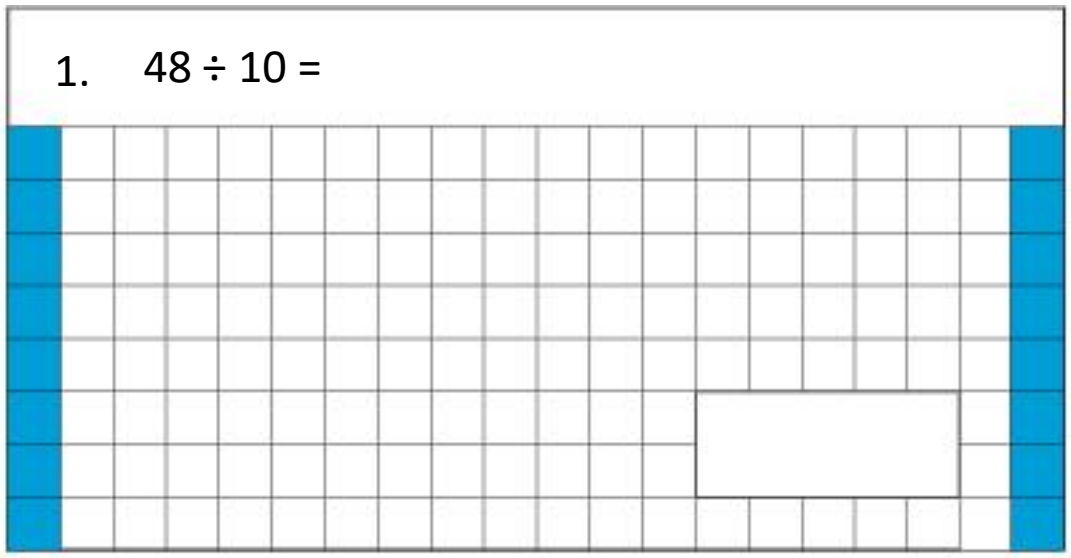
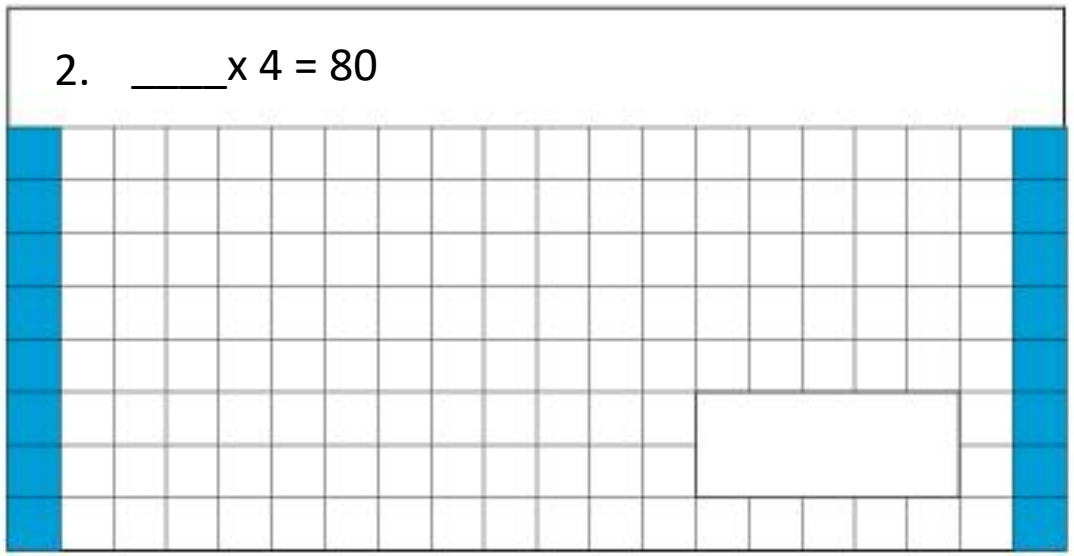
Week 6

1. 48 ÷ 10 =



1 mark

2. ____ x 4 = 80



1 mark

3. Write down **two factor pairs** for

32

<u>Solutions</u>

1. 4.8
2. 20
3. (1,32); (2,16); (4,8)

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Week 6

1. 9 x 6 =

1 mark

2. 3,456 + 1,233 =

1 mark

3. Write down the letters of the diagrams where the fraction coloured pink is **equivalent** to $\frac{1}{4}$.

A

B

C

Solutions

1.54

2. 4,689

3. B and C

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