

2-digit + 2-digit grid with missing totals

+	48	80
24		
57		

2-digit + 2-digit grid with missing numbers

+	?	80
25	78	105
?	115	142

# Adding two 2-digit numbers

+	25	40
20		
32		

+	35	45
22		
53		

+	28	58
23		
32		

+	75	46
27		
31		

+	70	85
36		
24		

+	89	96
27		
39		

## Adding amounts of money

1. £24.32 + £14.63

2. £34.25 + £27.43

3. £41.48 + £35.26

4. £24.19 + £17.26

5. £46.25 + £23.94

6. £34.83 + £24.52

7. £64.50 + £23.75

8. £51.90 + £44.69

9. £27.58 + £24.80

10. £24.78 + £14.65

11. £38.60 + £27.45

12. £35.78 + £25.45

13. £12.45 + £23.59 + £15.27

14. £24.67 + £14.25 + £16.45

15. £15.79 + £23.45 + £9.85

## Under £50

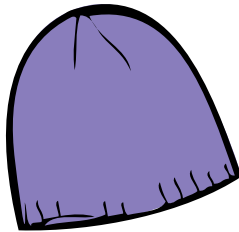
Find as many pairs of items with a total price of under £50.  
How many can you find?



£23.49

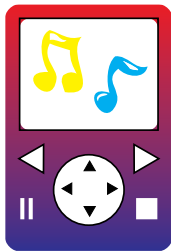


£12.56



£11.89

£36.75



£18.25



1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30

100

99

98

97

96

95

94

93

92

91

90

89

88

87

86

85

84

83

82

81

80

31

32

33

34

35

36

37

38

39

40

41

42

43

44

45

46

47

48

49

50

51

52

53

54

55

56

57

58

59

60

61

62

63

64

65

66

67

68

69

70

71

72

73

74

75

76

77

78

79

# Place value

## 10s, 1s, 0.1s and 0.01s

0.01    0.02    0.03    0.04    0.05    0.06    0.07    0.08    0.09

0.1    0.2    0.3    0.4    0.5    0.6    0.7    0.8    0.9

1    2    3    4    5    6    7    8    9

10    20    30    40    50    60    70    80    90

80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51

# Place value grid

100s	10s	1s	● 0.1s	$\frac{1}{10}$ s	0.01s	$\frac{1}{100}$ s

## Counting up to subtract

Sketch number lines to help Maths Frog find these differences:

$30 - 18 =$

$70 - 55 =$

$40 - 27 =$

$85 - 79 =$

$53 - 45 =$

$92 - 78 =$

$63 - 46 =$

$95 - 59 =$





## Counting up to subtract

Sketch number lines to help Maths Frog find these differences:

$$33 - 18 =$$

$$72 - 55 =$$

$$53 - 27 =$$

$$65 - 36 =$$

$$81 - 45 =$$

$$74 - 39 =$$

$$95 - 76 =$$

$$67 - 38 =$$



## Place value

Complete the following number sentences:

$$2 + 0.3 + 0.05 = \boxed{\phantom{000}}$$

$$2 + 0.2 + 0.07 = \boxed{\phantom{000}}$$

$$5 + 0.5 + 0.07 = \boxed{\phantom{000}}$$

$$8 + 0.4 + 0.09 = \boxed{\phantom{000}}$$

$$3 + 0.7 + 0.08 = \boxed{\phantom{000}}$$

$$3 + \boxed{\phantom{000}} + 0.05 = 3.75$$

$$1 + 0.5 + 0.09 = \boxed{\phantom{000}}$$

$$2 + 0.2 + 0.05 = \boxed{\phantom{000}}$$

$$5 + 0.03 = \boxed{\phantom{000}}$$

$$\boxed{\phantom{000}} + 0.05 = 2.05$$

Now make up your own number sentence to include the number 3.95.

## Place value

Complete the following number sentences:

$$2 + 0.3 + 0.05 = \boxed{\phantom{000}}$$

$$2 + \boxed{\phantom{000}} + 0.05 = 2.25$$

$$2 + 0.2 + \boxed{\phantom{000}} = 2.27$$

$$8 + \boxed{\phantom{000}} + \boxed{\phantom{000}} = 8.49$$

$$5 + 0.5 + \boxed{\phantom{000}} = 5.57$$

$$3 + \boxed{\phantom{000}} + \boxed{\phantom{000}} = 3.75$$

$$3 + \boxed{\phantom{000}} + 0.08 = 3.78$$

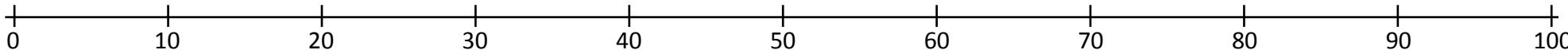
$$5 + \boxed{\phantom{000}} = 5.03$$

$$1 + \boxed{\phantom{000}} + 0.09 = 1.59$$

$$\boxed{\phantom{000}} + 0.05 = 2.05$$

Now make up your own number sentence to include the number 3.95.

# 0 - 100 Landmarked line



## Counting up to subtract from 100

100	
79	

$$100 - 79 = \square$$

100	
92	

$$100 - 92 = \square$$

100	
68	

$$100 - 68 = \square$$

100	
85	

$$100 - 85 = \square$$

100	
56	

$$100 - 56 = \square$$

100	
47	

$$100 - 47 = \square$$

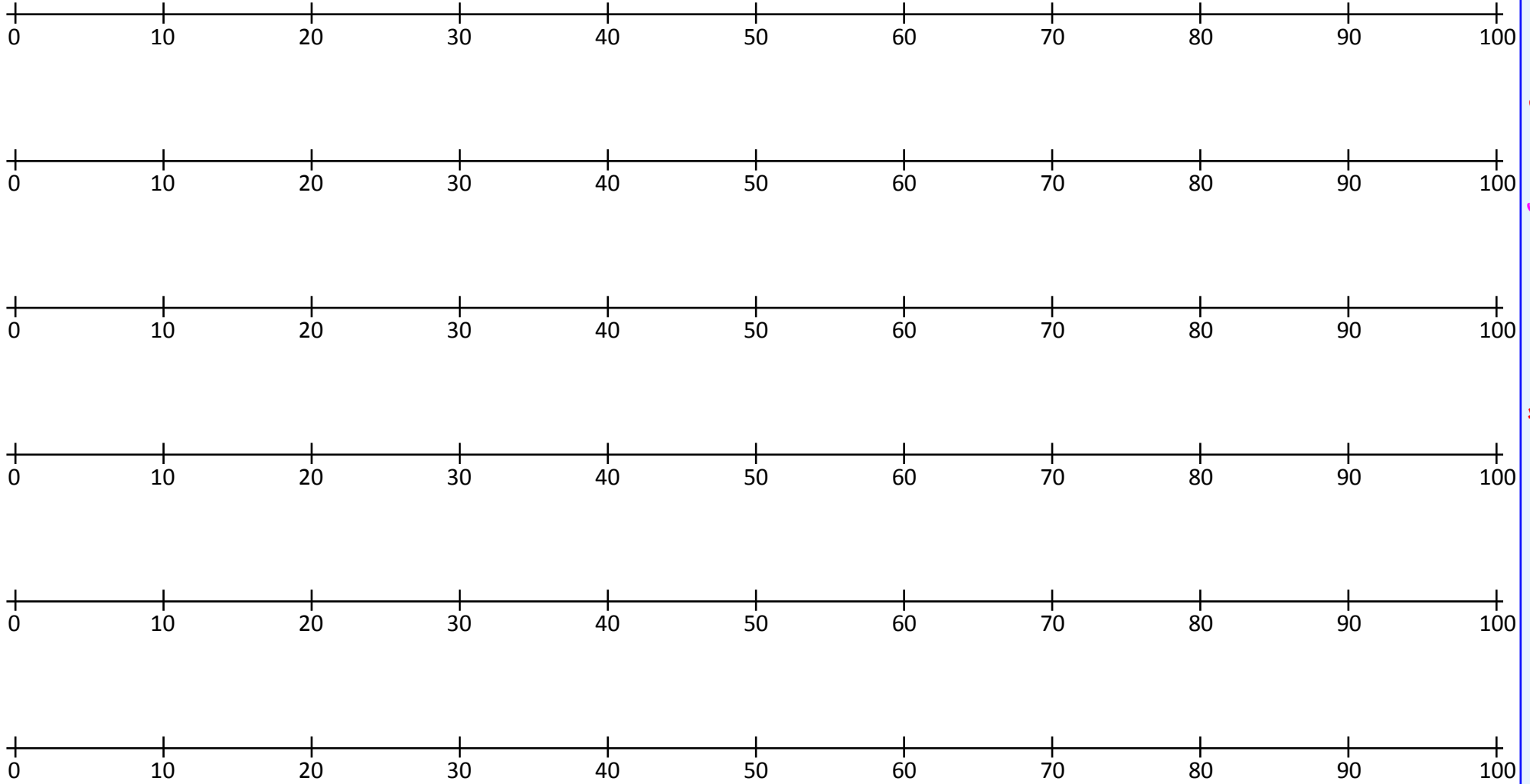
100	
73	

$$100 - 73 = \square$$

100	
36	

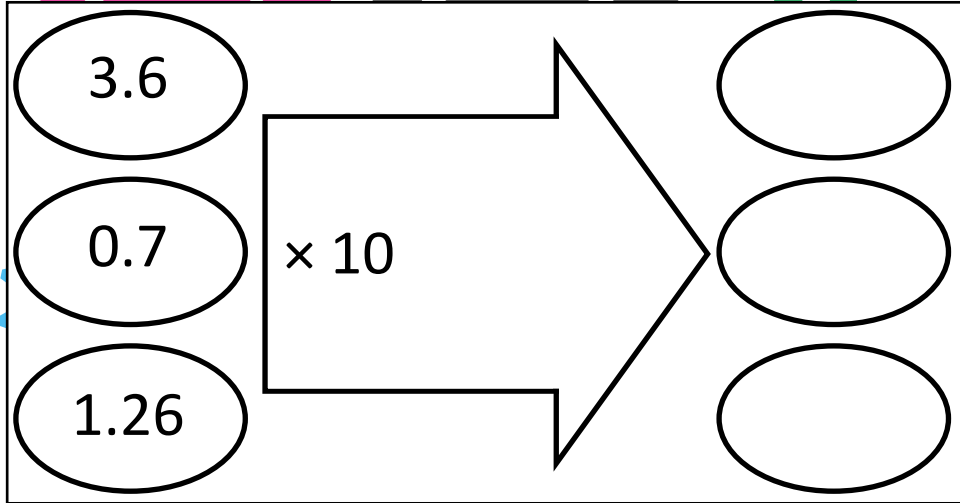
$$100 - 36 = \square$$

# 0 - 100 Landmarked lines

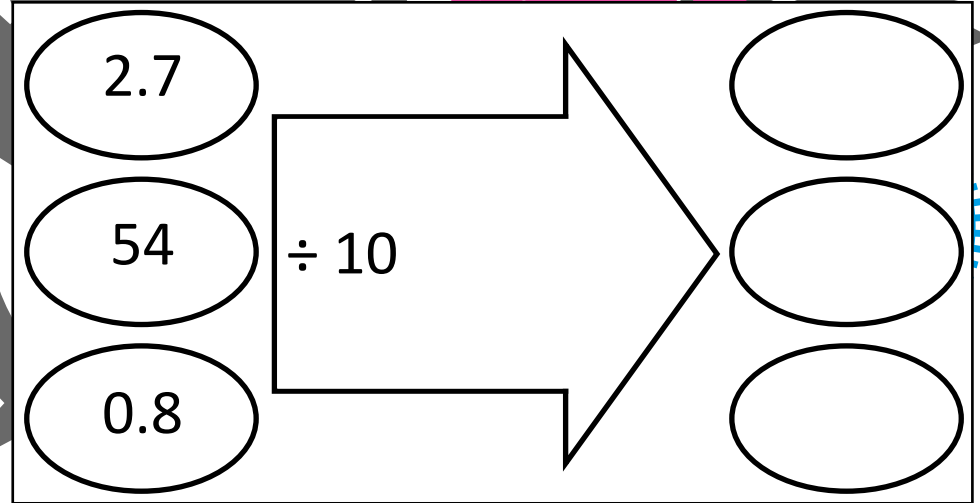


1 2 3 4 5 6 7 8 9 10 11 12 13 14 15 16 17 18 19 20 21 22 23 24 25 26 27 28 29 30  
31 32 33 34 35 36 37 38 39 40 41 42 43 44 45 46 47 48 49 50  
100 99 98 97 96 95 94 93 92 91 90 89 88 87 86 85 84 83 82 81  
80 79 78 77 76 75 74 73 72 71 70 69 68 67 66 65 64 63 62 61 60 59 58 57 56 55 54 53 52 51

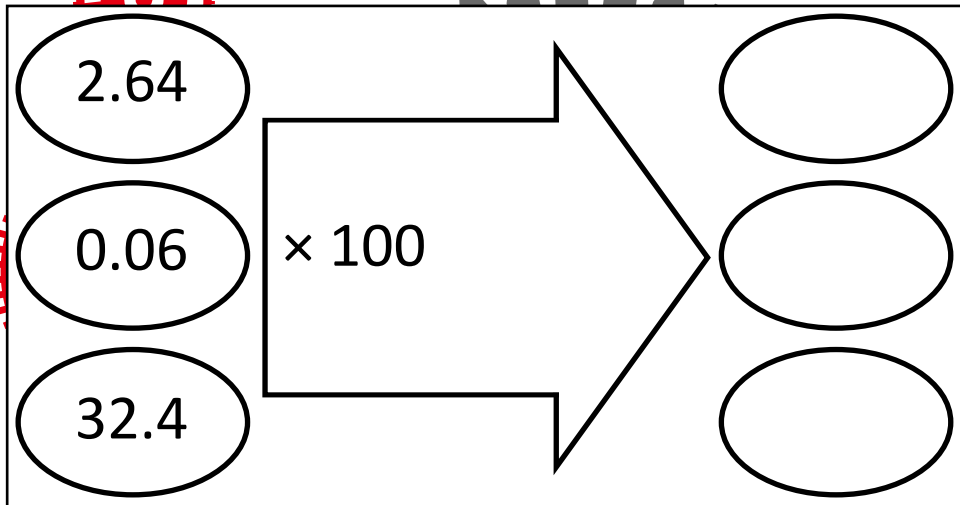
# Function Machines



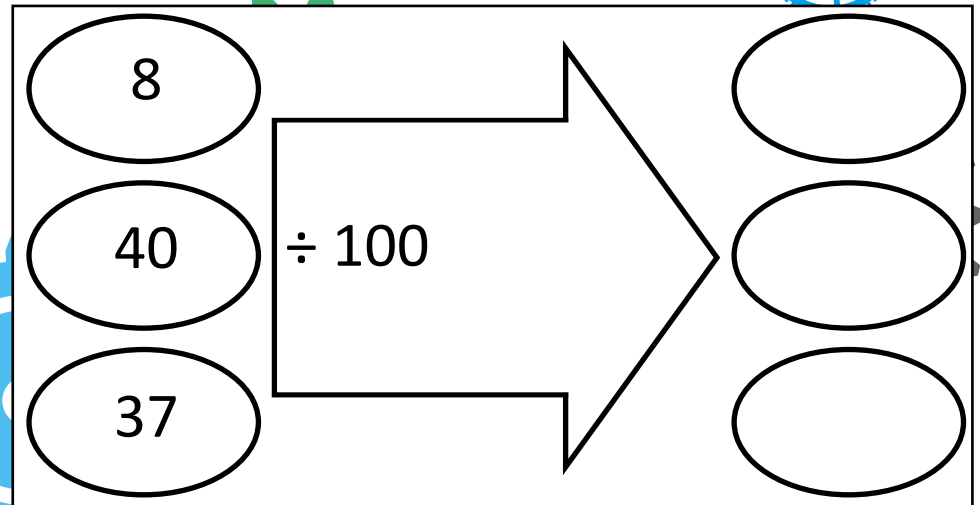
A function machine with a large arrow pointing right. Inside the arrow is the text  $\times 10$ . To the left of the arrow are three input boxes containing the numbers 3.6, 0.7, and 1.26. To the right of the arrow are three empty output boxes.



A function machine with a large arrow pointing right. Inside the arrow is the text  $\div 10$ . To the left of the arrow are three input boxes containing the numbers 2.7, 54, and 0.8. To the right of the arrow are three empty output boxes.

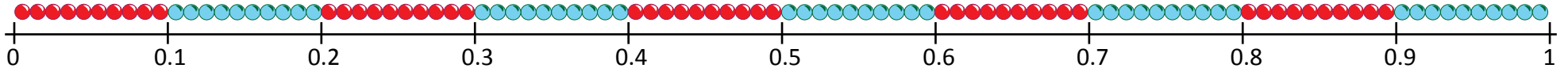


A function machine with a large arrow pointing right. Inside the arrow is the text  $\times 100$ . To the left of the arrow are three input boxes containing the numbers 2.64, 0.06, and 32.4. To the right of the arrow are three empty output boxes.



A function machine with a large arrow pointing right. Inside the arrow is the text  $\div 100$ . To the left of the arrow are three input boxes containing the numbers 8, 40, and 37. To the right of the arrow are three empty output boxes.

# 0 to 1 beaded line





## Counting up or back to subtract

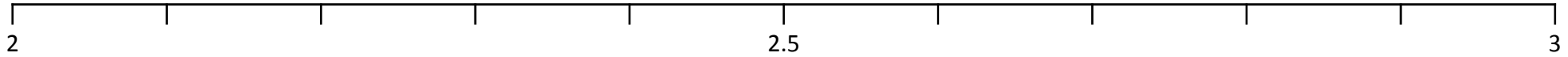
Work with a partner to find the answer using Frog (counting up) and counting back in 10s and 1s. Each time talk with your partner about which strategy was easier.



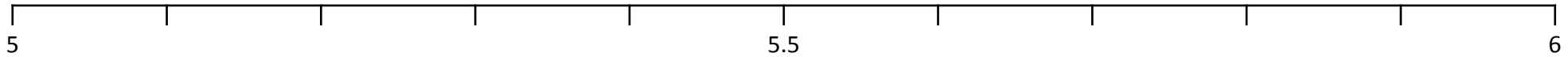
	Answer with Frog	Answer with Counting back ←	We prefer
123 - 42			
123 - 89			
142 - 78			
111 - 41			
126 - 88			
126 - 57			
123 - 31			
109 - 64			
162 - 91			
113 - 91			

# Ordering decimals

Mark 2.4, 2.8, 2.25, 2.49 and 2.75 on this number line.

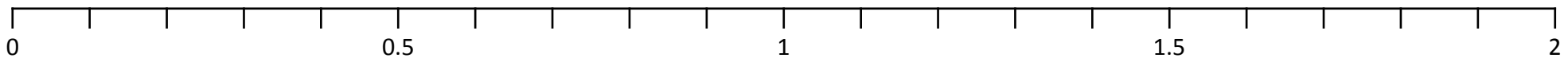


Mark 5.3, 5.45 and 5.99 on this number line.



Use this number line to help you to order the following numbers from smallest to largest:

1.9, 0.6, 1.45, 1.79, 0.5, 1.85, 0.99, 1.15.



## Maths Answers Autumn Year 4/5

### Week 2:

#### 2-digit + 2-digit grid with missing totals

+	48	80
24	<b>72</b>	<b>104</b>
57	<b>105</b>	<b>137</b>

#### 2-digit + 2-digit grid with missing numbers

+	<b>53</b>	80
25	78	105
<b>62</b>	115	142

#### Adding two 2-digit numbers

+	25	40
20	<b>45</b>	<b>60</b>
32	<b>57</b>	<b>72</b>

+	35	45
22	<b>57</b>	<b>67</b>
53	<b>88</b>	<b>98</b>

+	28	58
23	<b>51</b>	<b>81</b>
32	<b>60</b>	<b>90</b>

+	75	46
27	<b>102</b>	<b>73</b>
31	<b>106</b>	<b>77</b>

+	70	85
36	<b>106</b>	<b>121</b>
24	<b>94</b>	<b>109</b>

+	89	96
27	<b>116</b>	<b>123</b>
39	<b>128</b>	<b>135</b>

### Adding amounts of money

1. £24.32 + £14.63 = **£38.95**
2. £34.25 + £27.43 = **£61.68**
3. £41.48 + £35.26 = **£76.74**
4. £24.19 + £17.26 = **£41.45**
5. £46.25 + £23.94 = **£70.19**
6. £34.83 + £24.52 = **£59.35**
7. £64.50 + £23.75 = **£88.25**
8. £51.90 + £44.69 = **£96.59**
9. £27.58 + £24.80 = **£52.38**
10. £24.78 + £14.65 = **£39.43**
11. £38.60 + £27.45 = **£66.05**
12. £35.78 + £25.45 = **£61.23**
13. £12.45 + £23.59 + £15.27 = **£51.31**
14. £24.67 + £14.25 + £16.45 = **£55.37**
15. £15.79 + £23.45 + £9.85 = **£49.09**

### Under £50

- |  |  |
|--|--|
| £23.49 + £12.56 = <b>£36.05</b>          | £23.49 + £11.89 = <b>£35.38</b>          |
| £23.49 + £18.25 = <b>£41.74</b>          | £12.56 + £36.75 = <b>£49.31</b>          |
| £12.56 + £11.89 = <b>£24.45</b>          | £12.56 + £18.25 = <b>£30.81</b>          |
| £36.75 + £11.89 = <b>£48.64</b>          | £11.89 + £18.25 = <b>£30.14</b>          |
| £23.49 + £12.56 + £11.89 = <b>£47.94</b> | £12.56 + £11.89 + £18.25 = <b>£42.70</b> |

### Counting up to subtract (E)

- 30 – 18 = **12**  
70 – 55 = **15**  
40 – 27 = **13**  
85 – 79 = **6**  
53 – 45 = **8**  
92 – 78 = **14**  
63 – 46 = **17**  
95 – 59 = **36**

### Counting up to subtract (H)

- 33 – 18 = **15**  
72 – 55 = **17**  
53 – 27 = **26**  
65 – 36 = **29**  
81 – 45 = **36**  
74 – 39 = **35**  
95 – 76 = **19**  
67 – 38 = **29**

### Counting up to subtract from 100

- 100 – 79 = **21**  
100 – 68 = **32**  
100 – 56 = **44**  
100 – 73 = **27**

$$100 - 92 = 8$$

$$100 - 85 = 15$$

$$100 - 47 = 53$$

$$100 - 36 = 64$$

Place value (E)

$2 + 0.3 + 0.05 = 2.35$	$3 + 0.7 + 0.05 = 3.75$
$2 + 0.2 + 0.07 = 2.27$	$1 + 0.5 + 0.09 = 1.59$
$5 + 0.5 + 0.07 = 5.57$	$2 + 0.2 + 0.05 = 2.25$
$8 + 0.4 + 0.09 = 8.49$	$5 + 0.03 = 5.03$
$3 + 0.7 + 0.08 = 3.78$	$2 + 0.05 = 2.05$

Place value (H)

$2 + 0.3 + 0.05 = 2.35$	$2 + 0.2 + 0.05 = 2.25$
$2 + 0.2 + 0.07 = 2.27$	$8 + 0.4 + 0.09 = 8.49$
$5 + 0.5 + 0.07 = 5.57$	$3 + 0.7 + 0.05 = 3.75$
$3 + 0.7 + 0.08 = 3.78$	$5 + 0.03 = 5.03$
$1 + 0.5 + 0.09 = 1.59$	$2 + 0.05 = 2.05$

Function machines

$3.6 \times 10 = 36$	$0.7 \times 10 = 7$	$1.26 \times 10 = 12.6$
$2.7 \div 10 = 0.27$	$54 \div 10 = 5.4$	$0.8 \div 10 = 0.08$
$2.64 \times 100 = 264$	$0.06 \times 100 = 6$	$32.4 \times 100 = 3240$
$8 \div 100 = 0.08$	$40 \div 100 = 0.4$	$37 \div 100 = 0.37$

Counting up or back to subtract

$123 - 42 = 81$	$123 - 89 = 34$	$142 - 78 = 64$
$111 - 41 = 70$	$126 - 88 = 38$	$126 - 57 = 69$
$123 - 31 = 92$	$109 - 64 = 45$	$162 - 91 = 71$
$113 - 91 = 22$		

Ordering decimals

