Maths

Week beginning 30th November

Revision of addition and subtraction strategies

Monday

LI: revision of adding 10s from any given number

https://classroom.thenational.academy/lessons/adding-and-subtracting-multiples-of-ten-64wp8c

Watch the above video to help you add or subtract 10s. Now complete the tasks below.

- When adding 10s, your ones column will not change, as there are 0 ones in 1**0.**

	Ten	One
20=	2	0

When adding two numbers together, look at the ones column first

	Ten	One
22=	2	2
+		
10	1	0

Is the total from your ones column going to change?

No, 2**2** +1**0**= you can just add the ones, as 2 + 0= **2, you have no additional ones to add.**

Next, look at the tens column.

20 + 10= **30**

Finally, add your tens and ones together

30 + 2 = 32

Therefore

22 + 10 = 32

You could also use you counting in 10s skills to count forwards from the given number, but remember, the ones column will not change.

22 + 30=

Do 3 jumps of 10 forwards from 22:

32

42

52

52= the 3rd jump is 52, this is your answer.

Please pick the level you are most comfortable at and complete the calculations below:

Red: 1. 12 + 10=   2. 23 +10=   3. 34+ 10=

Yellow: 1. 36 + 20=   2. 45 +30=   3. 67 +20=

Green: 1. 24 + 60=   2. 43 + 40=   3. 12 +80=

Tuesday

LI: addition of 2 two-digit numbers using 10s and ones.

Watch the above video to add or subtract tens and ones to two-digit numbers.

Now complete the tasks below.

Using your knowledge of 10s and ones to regroup the number into tens and ones to help add.

Example:

25 + 22=

1. Only add the 1s

5 + 2= **7**

2. Add the tens

20 + 20= **40**

Add the tens and ones

3. 40 + 7 = **47**

Please pick the level you are most comfortable at and complete the calculations below:

Red: 1. 12 + 11=   2. 13 + 14=   3. 15 + 14=

4. 22 + 12=

Yellow

1. 25 + 23=   2. 34 + 21=   3. 45 + 21=
4. 32 + 15=

Green

1. 56 + 32=   2. 34 + 42=   3. 73 + 26=
5. 21 + 74=

Wednesday

LI: subtraction of 2 two-digit numbers using 10s and ones

https://classroom.thenational.academy/lessons/adding-and-subtracting-tens-from-a-2-digit-number-69h3jt?activity=intro_quiz&step=1

Re-watch the above video to help revise subtracting two-digit numbers.

Using your knowledge of 10s and ones to regroup the number into ones and tens to help subtract.

Example:

35- 20=

1. Only subtract the ones

5-0= 5

As we will only be subtracting in 10s, the ones column will not change.

2. Subtract the tens

30 – 20= 10

10 + 5= 15

35- 20=15

You could also use you counting in 10s skills to count backwards from the given number, but remember, the ones column will not change.

55- 30=

Do 3 jumps of 10 back from 55:

45

35

25= the 3rd jump is 25, this is your answer.

Please pick the level you are most comfortable at and complete the calculations below:

Red: 1. 45- 10=   2. 36-10=   3. 66- 10=

Yellow

1. 55- 20=   2. 67- 20=   3. 89- 30=

Green

1. 76- 30=   2. 55- 40=   3. 99- 60=

Thursday

LI: Addition word problems.

https://classroom.thenational.academy/lessons/applying-knowledge-of-bar-models-to-answer-word-problems-c4u68t?step=2&activity=video

Watch the above video to help with strategies for word problems.

An adult can read you every word problem so please don't struggle through the reading, focus on applying your learnt strategies.

For 2 step problems, take your time with each step and make sure you write down your working out to help you.

Try as many addition word problems you feel comfortable with.

Q1.

Kemi makes a pattern with sticks.

Some are long and some are short.

She writes a number pattern on the sticks.

10		20		30		40	
	5	15	25		35		45
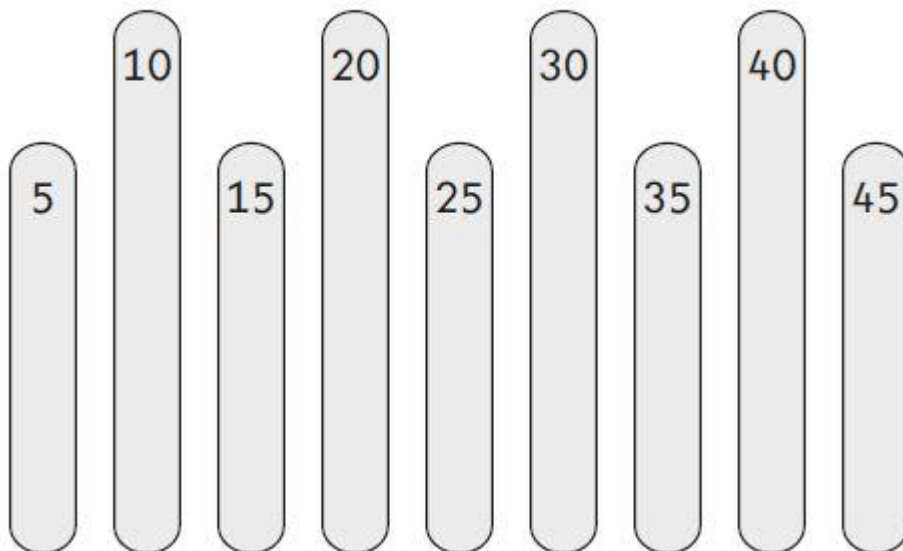
Write the number that will be on the next **short** stick.

Q2.

Complete these sums.

One is done for you.

$$3 + 7 = 10$$

$$33 + \boxed{} = 40$$

$$\boxed{} + 7 = 80$$

Q3.

How much money is in the money box?
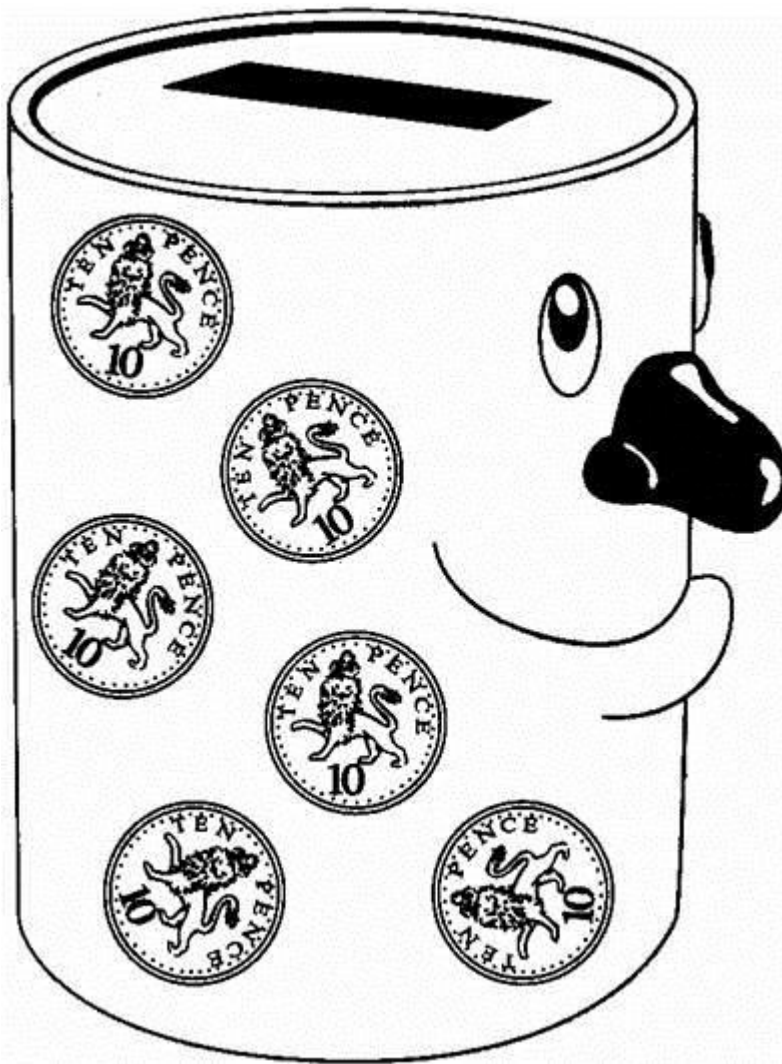
p

Q4.

Circle the **three** dice that add up to **13**
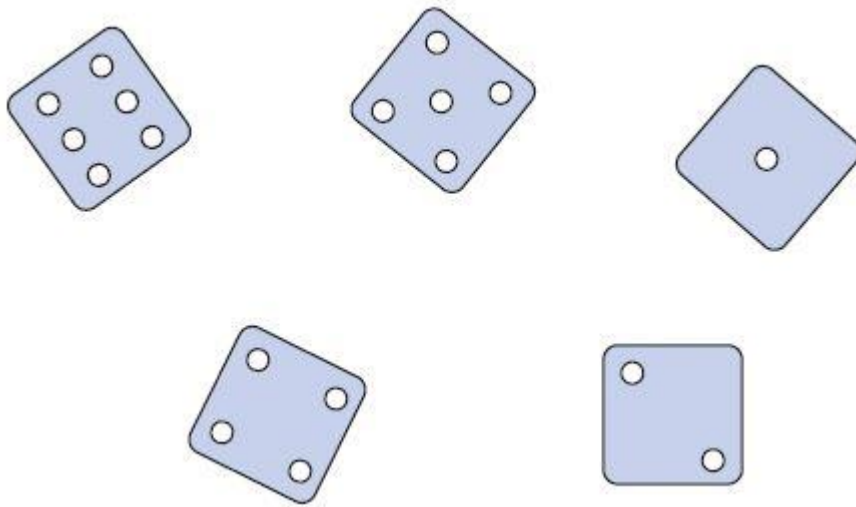
Q5.

Put a **digit** into each empty box to make the calculation correct.

$$1\ \boxed{}\ +\ \boxed{}\ 3\ =\ 2\ 9$$

Q6.

Use four **different** number cards to complete the number sentences below.

5	15	25	35	45	55
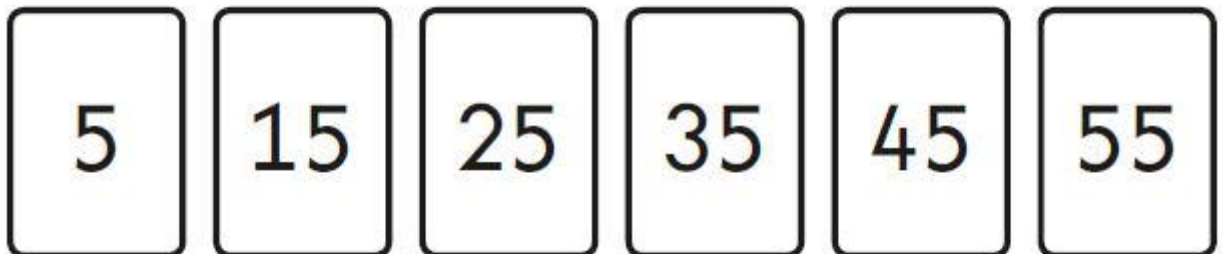
$$\boxed{} + \boxed{} = \boxed{60}$$

$$\boxed{} + \boxed{} = \boxed{60}$$

Friday:

LI: Subtraction word problems.

Watch the above video to help with strategies for word problems.

An adult can read you every word problem so please don't struggle through the reading, focus on applying your learnt strategies.

For 2 step problems, take your time with each step and make sure you write down your working out to help you.

Today, the word problems are both addition and subtraction, so be careful and make sure you are confident with what the question is asking you to do. It could be a take away or an addition.

Q1.

Put a **digit** into each empty box to make the calculation correct.

$$1\boxed{} + \boxed{}3 = 2\ 9$$

$$27 + \boxed{} = 67$$

$$54 - \boxed{} = 34$$

$$\boxed{} + 88 = 98$$

Q2.

Ben has **90p**.

He buys **2** tickets.

Each ticket costs **35p**.

Ticket
35p

How much money does Ben have **left**?

Show
your
working

p

Q3.

Match each subtraction to its answer

16 – 6

15 – 10

19 – 11

18 – 9
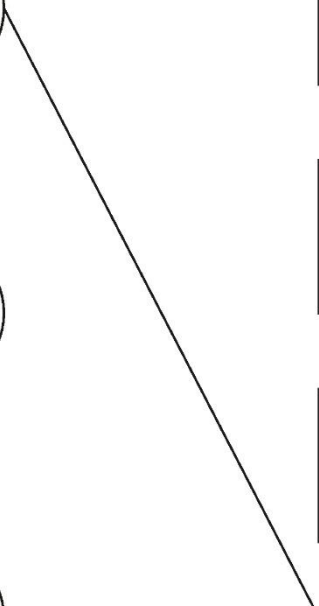
8

9

13

10

5

Q4.

Here are two cards.

| + | − |

Choose a card to make each calculation correct.

One is done for you.

4 + 1 = 5

23 ☐ 1 = 22

40 ☐ 1 = 39

19 ☐ 1 = 20

Q5.

Write two numbers that are **greater than 20** to make this subtraction correct.

$$\boxed{} - \boxed{} = 2$$

Q6.

I have **9** shells.

I have **3 more** shells than Abdul.

Abdul

Amy

How many shells does Amy have?

$$\boxed{} \text{ shells}$$

Q7.

Amy writes an answer to the calculation below.

$$57 - 31 = \boxed{26}$$

Now write an addition **to check Amy's answer**.

$$\boxed{} + \boxed{} = \boxed{}$$

Q8.

Here are some signs.

+		−
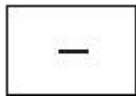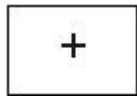
Write the correct sign in each box.

One is done for you.

10 | + | 20 = 30

30 | | 20 = 10