

29.4.2020

1. Check through answers from last week and, if you have any corrections, identify where you went wrong and correct your work.

2. Arithmetic - Spring test 6

Spring Test 6

Name: _____ Class: _____ Date: _____

1	$11^2 =$ <input type="text"/>	<input type="checkbox"/>	2	$4 \times$ <input type="text"/> $= 32$	<input type="checkbox"/>
3	$0.1 +$ <input type="text"/> $= 1$	<input type="checkbox"/>	4	<input type="text"/> $+ 100 = 40$	<input type="checkbox"/>
5	$6 = 24 +$ <input type="text"/>	<input type="checkbox"/>	6	$6682 \times 8 =$ <input type="text"/>	<input type="checkbox"/>
7	<input type="text"/> ³ $= 64$	<input type="checkbox"/>	8	$50 - 30 =$ <input type="text"/> $+ 2$	<input type="checkbox"/>
9	<input type="text"/> $= 10\%$ of 200	<input type="checkbox"/>	10	$\frac{8}{9} - \frac{2}{3} =$ <input type="text"/>	<input type="checkbox"/>
11	$25 + (7 - 2) =$ <input type="text"/>	<input type="checkbox"/>	12	$\frac{3}{10} \times \frac{1}{5} =$ <input type="text"/>	<input type="checkbox"/>
13	$0.012 \times 10 =$ <input type="text"/>	<input type="checkbox"/>	14	$\frac{2}{7}$ of 70 $=$ <input type="text"/>	<input type="checkbox"/>
15	<input type="text"/> $= \frac{16}{7} - \frac{3}{14}$	<input type="checkbox"/>	16	$2 \overline{) 387}$	<input type="checkbox"/>

Spring Test 6 (continued)

17	$5000 - 2145 =$	<input type="checkbox"/>	18	$4.7 + 26.28 + 158.34 =$ <input type="text"/>	<input type="checkbox"/>
19	<input type="text"/> $= 3960 + 8$	<input type="checkbox"/>	20	$273\,485 - 89\,916 =$ <input type="text"/>	<input type="checkbox"/>
21	$8214 =$ <input type="text"/> $\times 3$	<input type="checkbox"/>	22	$4 \overline{) 674}$	<input type="checkbox"/>
23	15% of 480 $=$ <input type="text"/>	<input type="checkbox"/>	24	<input type="text"/> $\div 3 = 784$	<input type="checkbox"/>
25	$1293 = 7000 -$ <input type="text"/>	<input type="checkbox"/>	26	$23 \overline{) 6187}$	<input type="checkbox"/>
27	$\begin{array}{r} 2427 \\ \times 88 \\ \hline \end{array}$	<input type="checkbox"/>	28	$8 \overline{) 7321}$	<input type="checkbox"/>

Total marks

/30

30.4.2020

<https://www.bbc.co.uk/bitesize/articles/z6jhpg8>

- 1. Watch video clips as a reminder of strategies.**
- 2. Complete the Abacus TB page for your Maths group. Ask someone to check over it for you.**

Adding and subtracting whole numbers and decimals

P15

Miss Crofton

Copy and complete these additions and subtractions.

1 $271 + 824 = \square$

5 $16\,528 - 7\,999 = \square$

2 $\square + 952 = 1852$

6 $27\,298 + 16\,597 = \square$

3 $26\,300 - 14\,250 = \square$

7 $7595 - \square = 3525$

4 $8615 - 2763 = \square$

8 $37 + 46 + 85 + 78 = \square$

Now solve these word problems.

9 Year 6's leaving celebration is to go to an adventure park. For the whole class to go it will cost £478.20. The class have raised £284.60 so far. How much more do they need to raise to afford the trip?

10 James has £8956 in his savings account. He wants to buy a new large-screen TV that costs £3999. How much money would he have left if he did buy it?

11 A fish-and-chip shop made profits of £15 300 last year. This year they made profits that were £6553 more than last year. What were their profits this year? What were their total profits for the two years?



Copy and complete these additions and subtractions.

1 $219 + \square = 345$

6 $476 - 298 = \square$

2 $67\,423 - 28\,416 = \square$

7 $721 + 63 + 490 = \square$

3 $12\,406 + \square = 17\,498$

8 $81\,307 - 15\,999 = \square$

4 $8429 + 34\,966 = \square$

9 $346\,297 + 154\,832 = \square$

5 $10\,000 - 9417 = \square$

10 $3\,498\,250 + 2\,200\,409 = \square$

Now solve these word problems.

- 11 Anna, Anouska and Taylor are raising money for charity by doing a sponsored walk. Anouska raises £3.80 more than Taylor. Anna collects £25. Taylor collects £13.00 less than Anna. Altogether, how much money have the children raised?



- 12 In a weekly TV talent show there are three contestants left. This week Ayla got 18 795 votes, Oli got 9 799 votes and Fi got 1001 votes more than Oli. How many votes were there altogether and how many more votes than Fi did Ayla get?

P16

Miss McAnally

Solve these word problems.

- 1 Small green apples are 25p each. Large red apples are 37p each. David has £2.50 to spend. How many small green apples can he buy for this amount? How many large red apples can he buy?



- 2 Caitlyn and Evie enter the long jump on sports day. Caitlyn jumps 2 metres 58 centimetres but Evie jumps 16 centimetres more! How long was Evie's jump in metres?

- 3 Ibraheem and Charlotte have some sweets. Altogether they have 26 sweets. Ibraheem has two more than Charlotte. How many sweets have they each got?

- 4 I have a piece of string that is 3.4 m long. I cut off a piece 63 cm long. How much string remains?

- 5 A seed begins to grow. After two days the shoot is 2.2 cm tall. It grows a further 8 mm each day for the next three days. How tall is it now?



- 6 Three items weigh 2 kg, 395 g and 0.75 kg. What is the total mass of the three items?

- 7 What number lies half-way between 4828 and 5032?



Write a subtraction where using the column subtraction method will mean that you have to move four digits across, but using Frog will mean only three jumps.

1.5.2020

Add and subtract decimals

Miss Crofton/ Miss McAnally- complete questions on the next powerpoint slide. REMEMBER TO DO Q17 and check your answers.

Miss Barry- questions 9-17 from powerpoint and Abacus TB P 19.

Adding and subtracting decimals

Choose whether to use a mental strategy or a written method to work out each calculation.

1. $3.9 + 2.6 = \square$

2. $35.25 - 18.63 = \square$

3. $1.84 - 0.23 = \square$

4. $\text{£}16.88 + \text{£}3.47 = \square$

5. $38.65 + 7.89 + 3.25 = \square$

6. $10 - 3.47 = \square$

7. $26.74 + 0.99 = \square$

8. $4.08 + 25.61 = \square$

9. $6.04 - 1.98 = \square$

10. $352.9 + 3.45 = \square$

11. $2.2 - 0.78 = \square$

12. $6.48 + 3.57 = \square$

13. $11.03 - 9.95 = \square$

14. $\text{£}20 - \text{£}6.89 = \square$

15. $7.5 + 3.9 + 2.8 = \square$

16. $27.43 - 18.76 = \square$

17. Check your answers using addition or subtraction. Make sure you are correct!

Solve these problems.

1 $73.86 + 135.72 = \square$

3 $8.5 - 2.69 = \square$

2 $9.6 - 3.75 = \square$

4 $68.37 + 164.78 = \square$

Answer these questions.

5 Write the two numbers that have a difference of 0.5.

0.7 0.75 0.25 0.6 0.65

6 Write the two numbers that have a difference of 2.

0.2 -1.2 -2 4 -2.2 0.8

Now solve these word problems.

7 A jug of squash holds 2.5 l. Each glass can hold 0.35 l. Marios fills three glasses. How much squash is left in the jug?

8 A male African elephant is 3.6 m tall. A female elephant is 0.72 m shorter. How tall is she?

9 One parcel weighs 1.8 kg. Another weighs 0.27 kg less. How much do they weigh in total?



10 A car is driving at a speed of 46.4 km per hour. It slows its speed down by 0.65 km per hour and then speeds up to go 11.3 km per hour faster. How fast is it going now?



Copy and complete this problem. Fill in the missing digits.

$$\begin{array}{r} \square\square.\square\square \\ + \square6.56 \\ \hline 64.71 \end{array}$$


P19
Miss Barry

4.5.2020

<https://www.bbc.co.uk/bitesize/articles/z6ynscw>

1. Work through slides 1-9 on bitesize link then slides 1-4

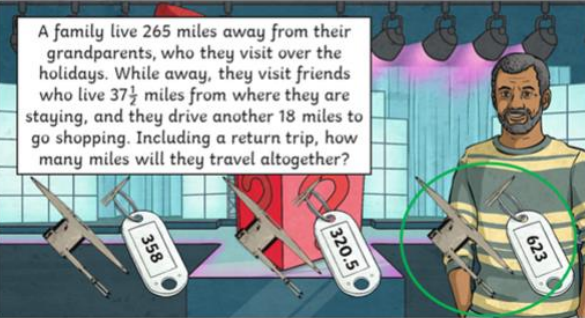
Solving Problems



A school holds a local charity disco. The expenses are £45 for a DJ, £21.67 for drinks and £56.36 for food. The ticket sales make £198.50, and the food and drink sells for £176.28. How much profit has been raised for the charity?

Expenses: $£45 + £56.36 + 21.67 = £123.03$

Solving Problems



A family live 265 miles away from their grandparents, who they visit over the holidays. While away, they visit friends who live $37\frac{1}{2}$ miles from where they are staying, and they drive another 18 miles to go shopping. Including a return trip, how many miles will they travel altogether?

358

503

623

2. Complete Open the Box questions

* Miss Crofton

** Miss McAnally

*** Miss Barry

Open the Box

I can solve problems with more than one step.

1. Kieran needs to run 2500 metres. In the first ten minutes he runs 639 metres and in the second ten minutes he runs 794 metres.
How much further does he still need to run?

Show your workings.

2. Chocolate bar: £1.39
Pack of marshmallows: £2.47
Packet of sweets: £1.76
Special Offer: Any three items for £4.10
How much money will Len save by buying one of each item using the special offer?

Show your workings.

3. Yuan and Chan are trying to find out how many star jumps they can do in two minutes. In the first minute, Yuan completes 48 star jumps and in the second minute, he completes 56 star jumps. Chan completes 184 star jumps in two minutes.
What is the difference between the amount of star jumps completed by Yuan and Chan?

Show your workings.



4. Mrs Flood has 1938 pencils at the beginning of the school year. In term one, 348 pencils are used and in term two, 827 pencils are used.
How many pencils are left remaining to use in term three?

Show your workings.

5. Fish: £3.55
Chips: £1.29
Gravy: £0.75
Peas: £0.90
Nigel has £5. He wants to buy fish, chips and peas.
How much more money will Nigel need?

Show your workings.

6. A bottle holds two litres of freshly squeezed orange juice. Denver fills three glasses with orange juice. He puts 170 millilitres in each glass.
How much orange juice is left in the bottle?

Show your workings.

Miss Crofton

Open the Box

I can solve problems with more than one step.

1. Toy car: £12.49
Board game: £25.38
Building blocks £34.39
Amil and Rikard want to buy one of each toy. Amil rounds the price of each toy to the nearest £10 and adds them together. Rikard adds the exact price of each toy together. What is the difference between Amil's and Rikard's total?

Show your workings.

Circle the correct answer. £2.26 £0.26 £12.26

2. Woolly hat: £11.75
Gloves: £4.95
Aydin has a twenty-pound and a ten-pound note.
How much change will he receive if he buys two woolly hats and a pair of gloves?

Show your workings.

Circle the correct answer. £1.25 £1.65 £1.55

3. Miley and James each have some money. Altogether, they have £3.20. Miley gives James 20p so that they both have the same amount.
How much money did they each have at the start?

Show your workings.

Circle the correct answer.
Miley: £1.80 James: £1.40 Miley: £1.70 James: £1.50 Miley: £1.70 James: £1.70

4. Class A has a race. Kat's time is 47 seconds. Charlie finishes nine seconds before Kat. Maria finishes 14 seconds after Charlie. Birkir finishes 26 seconds before Maria. What is Birkir's time in seconds?

Show your workings.

Circle the correct answer. 62 seconds 26 seconds 34 seconds

5. Cookies: £0.75 each
Buns: £0.90 each
Serji bought some cookies and buns. He spent £4.20.
How many of each item did he buy?

Show your workings.

Circle the correct answer.
Four buns and one cookie Three buns and two cookies Seven cookies

6. Phoebe bought a ruler and a pencil. She paid £1.45. Leah bought a ruler and two pencils. She paid £1.80.
How much does a ruler cost?

Show your workings.

Circle the correct answer. £0.75 £0.35 £1.10

Miss McAnally



Open the Box

I can solve problems with more than one step.

1. Toy car: £12.49
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Building blocks £34.39
Amil and Rikard want to buy one of each toy. Amil rounds the price of each toy to the nearest £10 and adds them together. Rikard adds the exact price of each toy together. What is the difference between Amil's and Rikard's total?

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Miley gives James 20p so that they both have the same amount.
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Show your workings.



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Show your workings.

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Serji bought some cookies and buns. He spent £4.20.
How many of each item did he buy?

Show your workings.

6. Phoebe bought a ruler and a pencil. She paid £1.45. Leah bought a ruler and two pencils. She paid £1.80.
How much does a ruler cost?

Show your workings.

Miss Barry

5.5.2020

- 1. Play Active Maths- sort it out. Involve as many of your family as you can and compare your answers.**
- 2. Mastery Checkpoint (slide 17)**

Area of Maths: Addition, Subtraction, Multiplication and Division

Objective: Solve addition and subtraction multi-step problems in context, deciding which operations and methods to use and why.

YOU WILL NEED...

Resources:

There are downloadable resources available to accompany this lesson.



Instructions:

1. Put the children into teams.
2. In turn children run to pick up a card.

Group calculate answer.

3. Children repeat with next card until they have completed all 6 word problems.
4. Once complete, they order the answers from smallest to largest.

A farmer has 77 pigs, 123 sheep and 115 cows.
He buys 35 more pigs and 121 more sheep. He sells all
of his cows.

How many animals has he got altogether?

Calculate:

$$(197 + 225) - (166 - 72) = ??$$

Mary collects marbles and wants to reach the target of
300.

She already has 64 yellow marbles, 47 red marbles, 42
green marbles and 28 purple marbles.

How many more marbles does she need?

Jane is washing cars for charity.
She washes 25 on Monday, 17 on Tuesday, 26 on
Wednesday, 19 on Thursday and 28 on Friday.
How many cars has she washed altogether?

Make the two sides of the calculation balance

$$(653 - 176) = (562 - ??)$$

Add together:
111, 222, 333, 444

Have you mastered solving problems?

- a) Mary is building a rectangle enclosure for her chickens. The length of the enclosure is 22.5 m and the width is 13.2 m. If she already has 30 m of fencing, how much more does she need?
- b) I'm thinking of a number. If I subtract 32 from it and then add 17, I get 85. What number am I thinking of? Can you explain to a friend the best way to solve this?
- c) Make up another problem like question (b) using at least two different operations.



Champions' Challenge

1. Two numbers have a total of 78. If the difference between the numbers is 16, what are the numbers?
471 is exactly halfway between two numbers.
2. If one number is at least twice as much as the other number, what could the two numbers be?
3. If both numbers are more than 40 apart but less than 50 apart, what could they be?