

DR BAKER'S YEAR 3 MATHS
MONDAY 20TH APRIL



WELCOME TO THE SUMMER TERM

“Good Morning. I hope you had a lovely holiday. It was a little strange having to stay at home wasn't it? I enjoyed celebrating Easter with my family although we did it a little differently from usual.”

First up today, problem questions. Work out the answers to all three if you can but if you can't just write down the sums for each and the answers for those you can work out.

Answers tomorrow.

- A. One cinema ticket costs £9. What do two cinema tickets cost?
- B. A shower uses 10 litres of water every minute. How much water is used in five minutes?
- C. I have 20 apples. If I share them out between the four people in my family, how many do they get each?

TASKS FOR TODAY

L.O. To write sums to estimate answers.

Although we have done lots of addition and subtraction we still make mistakes so we are going to practise methods to check our answers. Estimating is one method where we use numbers close to the numbers we are trying to add or subtract but which are easier to add in our heads.

For example if we were trying to do the sum $62 + 87$.

62 is close to 60 and 87 is close to 90 so a good sum to estimate the answer is $60 + 90$.

(Hopefully we could do this in our head and get 150 but today we are mostly concentrating on writing the sums.)

If we were trying to do $402 + 97$

402 is close to 400 and 97 is close to 100 so a good estimate is $400 + 100$.

In the questions today you first have to write new sums to estimate the ones given just as I have done. Then you have to pick the best estimate. Pick level A, B or C as usual and mark as you go.

TASKS FOR TODAY

Set A

Write a calculation you could use to estimate these additions:

- 1 $61 + 38$
- 2 $42 + 87$
- 3 $79 + 49$
- 4 $59 + 23$
- 5 $398 + 11$
- 6 $502 + 58$

Write a calculation you could use to estimate these subtractions:

- 7 $81 - 58$
- 8 $92 - 61$
- 9 $78 - 69$
- 10 $77 - 28$
- 11 $401 - 18$
- 12 $699 - 28$

Choose the best estimate for the following calculations:

- 13 $38 + 71$: 90 or 110
- 14 $12 + 61$: 70 or 90
- 15 $93 - 21$: 50 or 70
- 16 $298 + 49$: 320 or 350
- 17 $452 - 29$: 400 or 420
- 18 $681 - 59$: 620 or 650

TASKS FOR TODAY

Set B

Write a calculation you could use to estimate these calculations:

- 1 $152 + 41$
- 2 $519 + 82$
- 3 $498 + 28$
- 4 $781 - 62$
- 5 $852 - 43$
- 6 $448 - 132$

Choose the best estimate for the following calculations:

- 7 $126 + 43$: 170 or 200
- 8 $284 - 62$: 190 or 220
- 9 $719 + 32$: 720 or 750
- 10 $458 - 41$: 390 or 420
- 11 $252 + 129$: 350 or 380
- 12 $563 - 208$: 350 or 400

Two of the calculations below are incorrect.

A: $263 + 79 = 342$

B: $847 + 68 = 955$

C: $981 - 38 = 913$

D: $348 - 57 = 291$

- 13 Use estimating to decide which two are incorrect.

TASKS FOR TODAY

Set C

Write a calculation you could use to estimate these calculations:

- 1 $321 + 62$
- 2 $598 - 82$
- 3 $289 - 172$
- 4 $622 + 272$
- 5 $297 + 631$
- 6 $838 - 203$

Choose the best estimate for the following calculations:

- 7 $308 + 294$: 500 or 600
- 8 $492 + 298$: 700 or 800
- 9 $731 + 172$: 900 or 950
- 10 $953 - 382$: 540 or 570
- 11 $692 - 531$: 130 or 160
- 12 $541 + 458$: 950 or 1000

Estimate then work out the answer to these calculations.

- 13 $847 + 38$
- 14 $349 + 243$
- 15 $328 + 557$
- 16 $829 - 133$
- 17 $922 - 719$
- 18 $632 - 297$

ANSWERS

A

- | | |
|---------------|----------------|
| 1. $60 + 40$ | 10. $80 - 30$ |
| 2. $40 + 90$ | 11. $400 - 20$ |
| 3. $80 + 50$ | 12. $700 - 30$ |
| 4. $60 + 20$ | 13. 110 |
| 5. $400 + 10$ | 14. 70 |
| 6. $500 + 60$ | 15. 70 |
| 7. $80 - 60$ | 16. 350 |
| 8. $90 - 60$ | 17. 420 |
| 9. $80 - 70$ | 18. 620 |

B

- $150 + 40$
- $520 + 80$
- $500 + 30$
- $780 - 60$
- $850 - 40$
- $450 - 130$
- 170
- 220
- 750
- 420
- 380
- 350
- B and C

Notice if you estimated by going to the nearest hundred rather than the nearest ten you might have different answers. You get a better estimate if you go to the nearest ten as I have.

C

- | | |
|----------------|-------------------------|
| 1. $320 + 60$ | 13. $E = 890$ $A = 885$ |
| 2. $600 - 80$ | 14. $E = 590$ $A = 592$ |
| 3. $290 - 170$ | 15. $E = 890$ $A = 885$ |
| 4. $620 + 270$ | 16. $E = 700$ $A = 696$ |
| 5. $300 + 630$ | 17. $E = 200$ $A = 203$ |
| 6. $840 - 200$ | 18. $E = 330$ $A = 335$ |
| 7. 600 | |
| 8. 800 | |
| 9. 900 | |
| 10. 570 | |
| 11. 160 | |
| 12. 1000 | |

REMEMBER:

- **Talk to someone on your network hand if you are worried about something.**
- **If nobody is listening to your worries or there is nobody to talk to, you can google Childline or call them on 08001111. Adults at Childline are used to talking to children with worries and can help you.**
- **If you feel unsafe at home or are worried that a friend is not safe, call Mrs Patchett on 07787261064.**