
Wednesday
HALF WAY TO THE
Weekend

# Solve Problems

Represent the problem

- Drawing
- List
- Table
- Number sentence

*Emily, Ben and Nisha collect money for charity.*

*Emily collects £2.75 more than Nisha. Ben collects £15.*

*Nisha collects £7 less than Ben. Altogether how much money do the three children collect?*

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*Emily collects £2.75 more than Nisha. Ben collects £15.*

*Nisha collects £7 less than Ben. Altogether how much money do the three children collect?*

Ben = £15

Nisha = £15 - £7

Emily = £8 + £2.75

£15

£ 8

+ £10.75

£33.75

Lancashire County

*A torch costs £7.65.*

*Kate buys a torch and two batteries.*

*She pays £8.75 altogether.*

*How much does one battery cost?*

| £7.65 | £? |
|---|---|
| £8.75 | |

£7.65 + ? = £8.75

? ÷ 2 = answer

Lancashire County Council

£8.75 - £7.65 ÷ 2 = £4.925

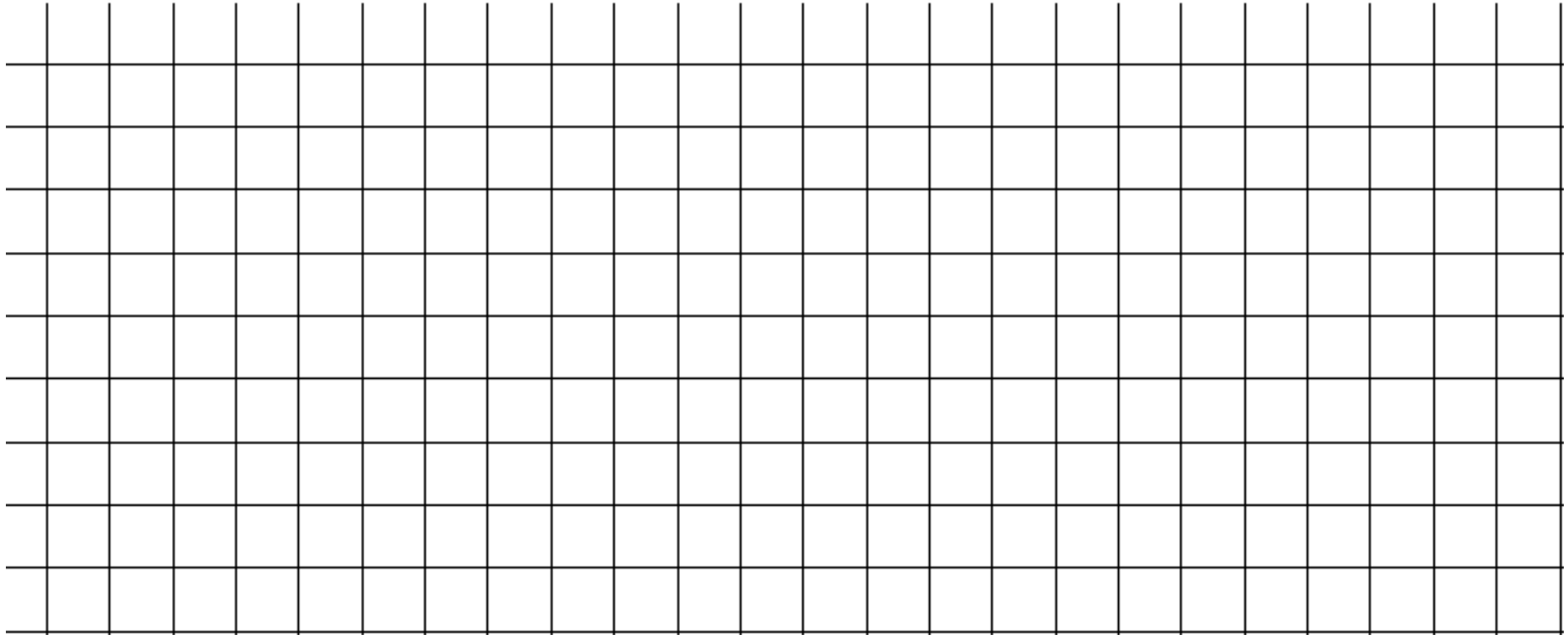
(£8.75 - £7.65) ÷ 2 = £0.55

| | | | | | |
|---|---|---|---|---|---|
| | 3 | 4 | 6 | 2 | 1 |
| + | 2 | 5 | 7 | 3 | 4 |
| | | | | | |

67,832 + 5,258

| | | | | | | | |
|---|---|---|---|---|---|---|---|
| | 4 | 7 | 6 | 1 | 3 | 2 | 5 |
| − | | 9 | 3 | 8 | 0 | 5 | 2 |
| | | | | | | | |

834,501 − 193,642



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## A

Copy and complete.

1. $583 + 249$
2. $659 + 278$
3. $871 + 685$
4. $1654 + 927$
5. $2087 + 359$
6. $437 - 186$
7. $293 - 175$
8. $359 - 268$
9. $565 - 437$
10. $681 - 394$

Set out correctly and work out.

11. $36{\cdot}4 + 18{\cdot}6$
12. $7{\cdot}86 + 2{\cdot}75$
13. $94{\cdot}7 + 59{\cdot}3$
14. $13{\cdot}68 + 4{\cdot}67$
15. $49{\cdot}23 + 95{\cdot}8$
16. $7{\cdot}24 - 2{\cdot}55$
17. $3{\cdot}6 - 2{\cdot}89$
18. $95{\cdot}3 - 56{\cdot}4$
19. $2{\cdot}3 - 1{\cdot}78$
20. $8{\cdot}72 - 3{\cdot}17$

## B

Copy and complete.

1. $4287 + 1946$
2. $3649 + 1578$
3. $4564 + 2788$
4. $6478 + 1957$
5. $5895 + 2578$
6. $4160 - 2381$
7. $6315 - 3678$
8. $5873 - 4132$
9. $3140 - 2753$
10. $7522 - 3947$

Set out correctly and work out.

11. $43{\cdot}92 + 46{\cdot}78$
12. $2{\cdot}685 + 5{\cdot}94$
13. $41{\cdot}7 + 28{\cdot}63$
14. $72{\cdot}54 + 4{\cdot}185$
15. $8{\cdot}769 + 9{\cdot}46$
16. $41{\cdot}6 - 23{\cdot}81$
17. $63{\cdot}15 - 36{\cdot}7$
18. $8{\cdot}73 - 4{\cdot}132$
19. $75{\cdot}22 - 39{\cdot}4$
20. $31{\cdot}4 - 27{\cdot}53$

## C

Use the above standard method to work out.

1. $3486 + 1957$
2. $12\,385 + 7850$
3. $23\,408 + 15\,473$
4. $9748 + 2976$
5. $5839 + 7794$
6. $16\,512 - 14\,675$
7. $13\,747 - 12\,968$
8. $27\,934 - 18\,157$
9. $32\,158 - 25\,389$
10. $50\,361 - 33\,596$

Set out correctly and work out.

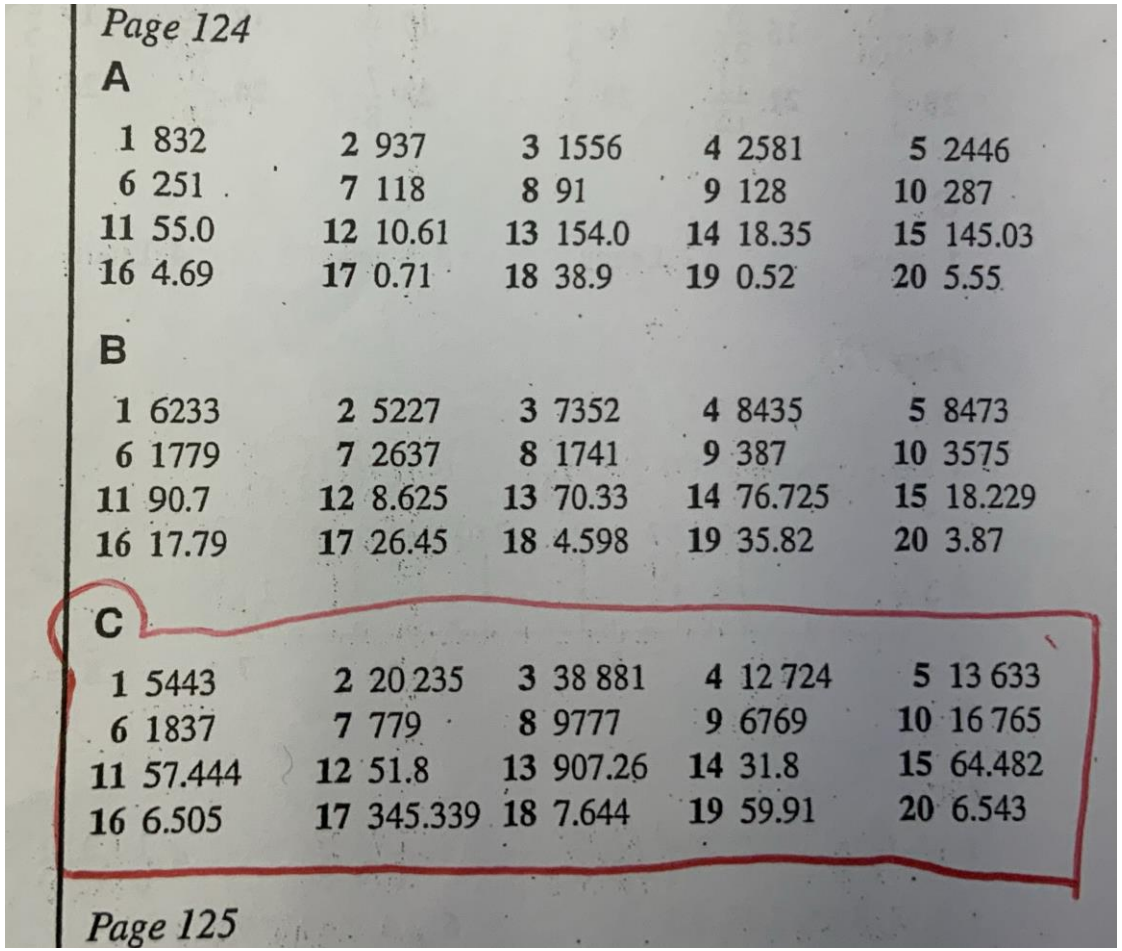
11. $17{\cdot}564 + 39{\cdot}88$
12. $47{\cdot}138 + 4{\cdot}662$
13. $867{\cdot}5 + 39{\cdot}76$
14. $25{\cdot}923 + 5{\cdot}877$
15. $56{\cdot}79 + 7{\cdot}692$
16. $24{\cdot}06 - 17{\cdot}555$
17. $375{\cdot}17 - 29{\cdot}831$
18. $46{\cdot}234 - 38{\cdot}59$
19. $248{\cdot}9 - 188{\cdot}99$
20. $31{\cdot}18 - 24{\cdot}637$

- A four bedroom house costs £450,000
  A three bedroom house costs £199,000 less.
  How much does the three bedroom house cost?
  What method did you use to find the answer?

- Calculate the missing digits. What do you notice?

| | | | | | | |
|---|---|---|---|---|---|---|
| | 5 | 2 | 2 | 4 | 7 | ? |
| + | 3 | ? | 5 | 9 | 0 | 4 |
| | 9 | 0 | ? | 3 | ? | 2 |

# ANSWERS



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**A**

| | | | | |
|---|---|---|---|---|
| **1** 832 | **2** 937 | **3** 1556 | **4** 2581 | **5** 2446 |
| **6** 251 | **7** 118 | **8** 91 | **9** 128 | **10** 287 |
| **11** 55.0 | **12** 10.61 | **13** 154.0 | **14** 18.35 | **15** 145.03 |
| **16** 4.69 | **17** 0.71 | **18** 38.9 | **19** 0.52 | **20** 5.55 |

**B**

| | | | | |
|---|---|---|---|---|
| **1** 6233 | **2** 5227 | **3** 7352 | **4** 8435 | **5** 8473 |
| **6** 1779 | **7** 2637 | **8** 1741 | **9** 387 | **10** 3575 |
| **11** 90.7 | **12** 8.625 | **13** 70.33 | **14** 76.725 | **15** 18.229 |
| **16** 17.79 | **17** 26.45 | **18** 4.598 | **19** 35.82 | **20** 3.87 |

**C**

| | | | | |
|---|---|---|---|---|
| **1** 5443 | **2** 20 235 | **3** 38 881 | **4** 12 724 | **5** 13 633 |
| **6** 1837 | **7** 779 | **8** 9777 | **9** 6769 | **10** 16 765 |
| **11** 57.444 | **12** 51.8 | **13** 907.26 | **14** 31.8 | **15** 64.482 |
| **16** 6.505 | **17** 345.339 | **18** 7.644 | **19** 59.91 | **20** 6.543 |

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