



ST. CENYDD COMMUNITY SCHOOL
Aspire & Achieve

My Numeracy Booklet



Addition using the column method

Step 1: Put the numbers into a column if they are not already in one.

Step 2: Start from the right-hand side, add the numbers in the column.

Step 3: Continue to add each column.

Be careful to place the digits correctly, lining up the hundreds, tens and units accurately. Use the place value mat if you need to.

Calculate $33 + 26$

$$\begin{array}{r} 33 \\ + 26 \\ \hline 59 \end{array}$$

Calculate $416 + 52$

$$\begin{array}{r} 416 \\ + 52 \\ \hline 468 \end{array}$$

Calculate $203 + 123 + 42$

$$\begin{array}{r} 203 \\ 123 \\ + 42 \\ \hline 368 \end{array}$$

Place Value						
Millions	Hundred Thousands	Ten Thousands	Thousands	Hundreds	Tens	Units (Ones)
				4	1	6
					5	2

Tasg Un: Addition (no regrouping)

1)

$$\begin{array}{r} 44 \\ + 12 \\ \hline \\ \hline \end{array}$$

2)

$$\begin{array}{r} 76 \\ + 11 \\ \hline \\ \hline \end{array}$$

3)

$$\begin{array}{r} 11 \\ + 81 \\ \hline \\ \hline \end{array}$$

4)

$$\begin{array}{r} 83 \\ + 11 \\ \hline \\ \hline \end{array}$$

5)

$$\begin{array}{r} 31 \\ + 4 \\ \hline \\ \hline \end{array}$$

6)

$$\begin{array}{r} 35 \\ + 12 \\ \hline \\ \hline \end{array}$$

7)

$$\begin{array}{r} 12 \\ + 13 \\ \hline \\ \hline \end{array}$$

8)

$$\begin{array}{r} 21 \\ + 23 \\ \hline \\ \hline \end{array}$$

9)

$$\begin{array}{r} 11 \\ + 16 \\ \hline \\ \hline \end{array}$$

10)

$$\begin{array}{r} 11 \\ + 42 \\ \hline \\ \hline \end{array}$$

11)

$$\begin{array}{r} 741 \\ + 32 \\ \hline \\ \hline \end{array}$$

12)

$$\begin{array}{r} 258 \\ + 20 \\ \hline \\ \hline \end{array}$$

13)

$$\begin{array}{r} 606 \\ + 91 \\ \hline \\ \hline \end{array}$$

14)

$$\begin{array}{r} 136 \\ + 40 \\ \hline \\ \hline \end{array}$$

15)

$$\begin{array}{r} 968 \\ + 20 \\ \hline \\ \hline \end{array}$$

16)

$$\begin{array}{r} 832 \\ + 16 \\ \hline \\ \hline \end{array}$$

17)

$$\begin{array}{r} 763 \\ + 24 \\ \hline \\ \hline \end{array}$$

18)

$$\begin{array}{r} 709 \\ + 90 \\ \hline \\ \hline \end{array}$$

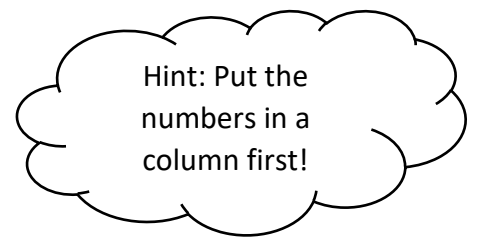
19)

$$\begin{array}{r} 152 \\ + 21 \\ \hline \\ \hline \end{array}$$

20)

$$\begin{array}{r} 260 \\ + 17 \\ \hline \\ \hline \end{array}$$

Can you add these numbers?



2) $105 + 121$

2) $422 + 247$

3) $132 + 256$

4) $440 + 155$

1) 5) $355 + 14$

6) $642 + 24$

7) $540 + 50$

8) $784 + 13$

Addition (Regrouping)

Step 1: Put the numbers into a column if they are not already in one.

Step 2: Start from the right-hand side, add the numbers in the column.

Step 3: Continue to add each column.

Note: If you

Be careful to place the digits correctly, lining up the hundreds, tens and units accurately. Use the place value mat if you need to.



Calculate $428 + 24$

$$\begin{array}{r} 428 \\ + 24 \\ \hline 1 \\ \hline 452 \end{array}$$

Calculate $237 + 53$

$$\begin{array}{r} 237 \\ + 53 \\ \hline 1 \\ \hline 290 \end{array}$$

Calculate $581 + 266 + 76$

$$\begin{array}{r} 581 \\ 266 \\ 76 \\ \hline 21 \\ \hline 923 \end{array}$$

1)

$$\begin{array}{r} 8 \\ + 57 \\ \hline \end{array}$$

2)

$$\begin{array}{r} 69 \\ + 85 \\ \hline \end{array}$$

3)

$$\begin{array}{r} 53 \\ + 79 \\ \hline \end{array}$$

4)

$$\begin{array}{r} 31 \\ + 46 \\ \hline \end{array}$$

5)

$$\begin{array}{r} 66 \\ + 73 \\ \hline \end{array}$$

6)

$$\begin{array}{r} 47 \\ + 75 \\ \hline \end{array}$$

7)

$$\begin{array}{r} 19 \\ + 18 \\ \hline \end{array}$$

8)

$$\begin{array}{r} 87 \\ + 52 \\ \hline \end{array}$$

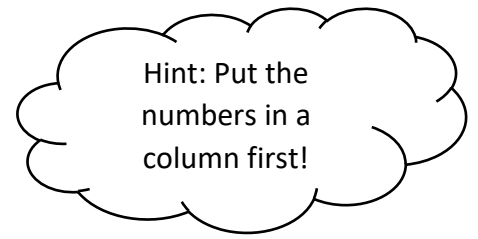
9)

$$\begin{array}{r} 34 \\ + 64 \\ \hline \end{array}$$

10)

$$\begin{array}{r} 35 \\ + 98 \\ \hline \end{array}$$

Can you add these numbers?



2) $66 + 45$

2) $74 + 54$

3) $122 + 45$

4) $152 + 21$

5) $430 + 395$

6) $74 + 38$

7) $83 + 47$

8) $121 + 89$

9) $650 + 65$

10) $410 + 198$

11) $54 + 28$

12) $81 + 37$

13) $451 + 79$

14) $340 + 69$

15) $442 + 198$

16) $37 + 38$

17) $88 + 16$

18) $167 + 39$

19) $321 + 95$

20) $425 + 78$

21) $36 + 105$

22) $19 + 47$

23) $325 + 291$

24) $258 + 39$

25) $416 + 138$

Subtraction

Step 1: Put the numbers into a column if they are not already in one.

Step 2: Start from the right-hand side, subtract the numbers in the column. Subtract the bottom number from the one above.

Step 3: Continue to subtract each column.

Be careful to place the digits correctly, lining up the hundreds, tens and units accurately. Use the place value mat if you need to.



Calculate $57 - 23$

$$\begin{array}{r} 57 \\ - 23 \\ \hline 34 \end{array}$$

Calculate $955 - 41$

$$\begin{array}{r} 955 \\ - 41 \\ \hline 914 \end{array}$$

Calculate $985 - 323 - 11$

$$\begin{array}{r} 985 \\ - 323 \\ \hline 651 \\ - 11 \\ \hline \end{array}$$

1)

$$\begin{array}{r} 62 \\ - 2 \\ \hline \end{array}$$

2)

$$\begin{array}{r} 58 \\ - 7 \\ \hline \end{array}$$

3)

$$\begin{array}{r} 87 \\ - 6 \\ \hline \end{array}$$

4)

$$\begin{array}{r} 68 \\ - 1 \\ \hline \end{array}$$

5)

$$\begin{array}{r} 87 \\ - 7 \\ \hline \end{array}$$

6)

$$\begin{array}{r} 7 \\ - 2 \\ \hline \end{array}$$

7)

$$\begin{array}{r} 37 \\ - 7 \\ \hline \end{array}$$

8)

$$\begin{array}{r} 429 \\ - 16 \\ \hline \end{array}$$

9)

$$\begin{array}{r} 724 \\ - 410 \\ \hline \end{array}$$

10)

$$\begin{array}{r} 489 \\ - 226 \\ \hline \end{array}$$

11)

$$\begin{array}{r} 733 \\ - 311 \\ \hline \end{array}$$

12)

$$\begin{array}{r} 4 \\ - 1 \\ \hline \end{array}$$

13)

$$\begin{array}{r} 124 \\ - 10 \\ \hline \end{array}$$

Subtraction (Regrouping)

Step 1: Put the numbers into a column if they are not already in one.

Step 2: Start from the right-hand side, subtract the numbers in the column. Subtract the bottom number from the one above.

Step 3: Continue to subtract each column.

Note: If the number on top is smaller than the number you are subtracting, then you will need to borrow (sometimes called regroup) from the column to the left.

Be careful to place the digits correctly, lining up the hundreds, tens and units accurately. Use the place value mat if you need to.

Calculate $64 - 26$

$$\begin{array}{r} 1 \\ 5 \cancel{6} 4 \\ - 26 \\ \hline 38 \end{array}$$

I am unable to subtract 6 from 4. So, I borrow from the column to the left. I take one to make it $14 - 6$. I am then left with $5 - 2$ in the next column.

Calculate $225 - 37$

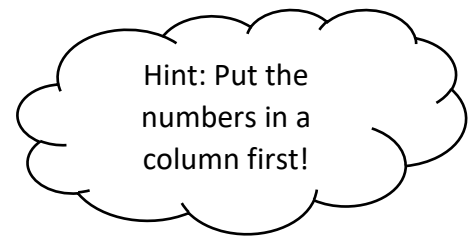
$$\begin{array}{r} 1 \\ 1 1 \\ \cancel{2} \cancel{2} 5 \\ - 37 \\ \hline 188 \end{array}$$

I am unable to subtract 7 from 5. So, I borrow from the column to the left. I take one to make it $15 - 7$.

I am unable to subtract 3 from 1. So again, I borrow from the column to the left. I now have $11 - 3$.

Finally I have $1 - 0$.

Can you subtract these numbers?



1) $55 - 36$

2) $87 - 29$

3) $14 - 5$

4) $162 - 115$

5) $68 - 39$

6) $234 - 172$

7) $94 - 18$

8) $130 - 28$

9) $54 - 48$

10) $155 - 68$

11) $47 - 28$

12) $182 - 56$

13) $174 - 87$

14) $52 - 35$

15) $86 - 77$

16) $230 - 15$

17) $482 - 364$

18) $724 - 173$

19) $524 - 351$

20) $462 - 77$

21) $454 - 285$

22) $952 - 56$

23) $346 - 287$

24) $942 - 357$

25) $274 - 172$

Doubling and Halving

Double these numbers

6 $\xrightarrow{\times 2}$

8 $\xrightarrow{\times 2}$

4 $\xrightarrow{\times 2}$

5 $\xrightarrow{\times 2}$

11 $\xrightarrow{\times 2}$

15 $\xrightarrow{\times 2}$

2 $\xrightarrow{\times 2}$

22 $\xrightarrow{\times 2}$

14 $\xrightarrow{\times 2}$

20 $\xrightarrow{\times 2}$

44 $\xrightarrow{\times 2}$

42 $\xrightarrow{\times 2}$

50 $\xrightarrow{\times 2}$

30 $\xrightarrow{\times 2}$

Halve these numbers

6 \rightarrow

8 \rightarrow

4 \rightarrow

10 \rightarrow

12 \rightarrow

14 \rightarrow

2 \rightarrow

22 \rightarrow

20 \rightarrow

30 \rightarrow

46 \rightarrow

60 \rightarrow

84 \rightarrow

100 \rightarrow

Multiplication

How many do you know? Test yourself

Find the product.

1. $4 \times 7 =$ _____ 2. $6 \times 9 =$ _____ 3. $4 \times 8 =$ _____

4. $4 \times 6 =$ _____ 5. $6 \times 2 =$ _____ 6. $6 \times 6 =$ _____

7. $4 \times 4 =$ _____ 8. $4 \times 11 =$ _____ 9. $4 \times 2 =$ _____

10. $6 \times 7 =$ _____ 11. $6 \times 5 =$ _____ 12. $4 \times 5 =$ _____

13. $7 \times 10 =$ _____ 14. $7 \times 12 =$ _____ 15. $8 \times 6 =$ _____

16. $8 \times 2 =$ _____ 17. $8 \times 4 =$ _____ 18. $8 \times 9 =$ _____

19. $3 \times 3 =$ _____ 20. $3 \times 12 =$ _____ 21. $3 \times 5 =$ _____

22. $9 \times 3 =$ _____ 23. $9 \times 10 =$ _____ 24. $3 \times 2 =$ _____

25. $3 \times 9 =$ _____ 26. $3 \times 10 =$ _____ 27. $9 \times 4 =$ _____

Multiplication Tables

× 1

1 × 1 =
2 × 1 =
3 × 1 =
4 × 1 =
5 × 1 =
6 × 1 =
7 × 1 =
8 × 1 =
9 × 1 =
10 × 1 =
11 × 1 =
12 × 1 =

× 2

1 × 2 =
2 × 2 =
3 × 2 =
4 × 2 =
5 × 2 =
6 × 2 =
7 × 2 =
8 × 2 =
9 × 2 =
10 × 2 =
11 × 2 =
12 × 2 =

× 3

1 × 3 =
2 × 3 =
3 × 3 =
4 × 3 =
5 × 3 =
6 × 3 =
7 × 3 =
8 × 3 =
9 × 3 =
10 × 3 =
11 × 3 =
12 × 3 =

× 4

1 × 4 =
2 × 4 =
3 × 4 =
4 × 4 =
5 × 4 =
6 × 4 =
7 × 4 =
8 × 4 =
9 × 4 =
10 × 4 =
11 × 4 =
12 × 4 =

× 5

1 × 5 =
2 × 5 =
3 × 5 =
4 × 5 =
5 × 5 =
6 × 5 =
7 × 5 =
8 × 5 =
9 × 5 =
10 × 5 =
11 × 5 =
12 × 5 =

× 6

1 × 6 =
2 × 6 =
3 × 6 =
4 × 6 =
5 × 6 =
6 × 6 =
7 × 6 =
8 × 6 =
9 × 6 =
10 × 6 =
11 × 6 =
12 × 6 =

× 7

1 × 7 =
2 × 7 =
3 × 7 =
4 × 7 =
5 × 7 =
6 × 7 =
7 × 7 =
8 × 7 =
9 × 7 =
10 × 7 =
11 × 7 =
12 × 7 =

× 8

1 × 8 =
2 × 8 =
3 × 8 =
4 × 8 =
5 × 8 =
6 × 8 =
7 × 8 =
8 × 8 =
9 × 8 =
10 × 8 =
11 × 8 =
12 × 8 =

× 9

1 × 9 =
2 × 9 =
3 × 9 =
4 × 9 =
5 × 9 =
6 × 9 =
7 × 9 =
8 × 9 =
9 × 9 =
10 × 9 =
11 × 9 =
12 × 9 =

× 10

1 × 10 =
2 × 10 =
3 × 10 =
4 × 10 =
5 × 10 =
6 × 10 =
7 × 10 =
8 × 10 =
9 × 10 =
10 × 10 =
11 × 10 =
12 × 10 =

× 11

1 × 11 =
2 × 11 =
3 × 11 =
4 × 11 =
5 × 11 =
6 × 11 =
7 × 11 =
8 × 11 =
9 × 11 =
10 × 11 =
11 × 11 =
12 × 11 =

× 12

1 × 12 =
2 × 12 =
3 × 12 =
4 × 12 =
5 × 12 =
6 × 12 =
7 × 12 =
8 × 12 =
9 × 12 =
10 × 12 =
11 × 12 =
12 × 12 =

Multiplying by 10

- | | | |
|----------------------------|----------------------------|----------------------------|
| 1) $7 \times 10 =$ _____ | 2) $2 \times 10 =$ _____ | 3) $10 \times 8 =$ _____ |
| 4) $12 \times 10 =$ _____ | 5) $10 \times 15 =$ _____ | 6) $18 \times 10 =$ _____ |
| 7) $10 \times 16 =$ _____ | 8) $22 \times 10 =$ _____ | 9) $10 \times 21 =$ _____ |
| 10) $32 \times 10 =$ _____ | 11) $10 \times 30 =$ _____ | 12) $28 \times 10 =$ _____ |
| 13) $10 \times 43 =$ _____ | 14) $54 \times 10 =$ _____ | 15) $10 \times 37 =$ _____ |
| 16) $80 \times 10 =$ _____ | 17) $10 \times 47 =$ _____ | 18) $59 \times 10 =$ _____ |
| 19) $10 \times 78 =$ _____ | 20) $65 \times 10 =$ _____ | 21) $10 \times 84 =$ _____ |
| 22) $96 \times 10 =$ _____ | 23) $10 \times 59 =$ _____ | 24) $48 \times 10 =$ _____ |

Multiplying by 100

- | | | |
|-----------------------------|-----------------------------|-----------------------------|
| 1) $7 \times 100 =$ _____ | 2) $2 \times 100 =$ _____ | 3) $100 \times 8 =$ _____ |
| 4) $12 \times 100 =$ _____ | 5) $100 \times 15 =$ _____ | 6) $18 \times 100 =$ _____ |
| 7) $100 \times 16 =$ _____ | 8) $22 \times 100 =$ _____ | 9) $100 \times 21 =$ _____ |
| 10) $32 \times 100 =$ _____ | 11) $100 \times 30 =$ _____ | 12) $28 \times 100 =$ _____ |
| 13) $100 \times 43 =$ _____ | 14) $54 \times 100 =$ _____ | 15) $100 \times 37 =$ _____ |
| 16) $80 \times 100 =$ _____ | 17) $100 \times 47 =$ _____ | 18) $59 \times 100 =$ _____ |
| 19) $100 \times 78 =$ _____ | 20) $65 \times 100 =$ _____ | 21) $100 \times 84 =$ _____ |
| 22) $96 \times 100 =$ _____ | 23) $100 \times 59 =$ _____ | 24) $48 \times 100 =$ _____ |



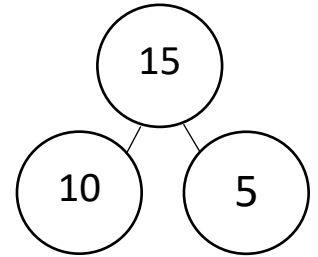
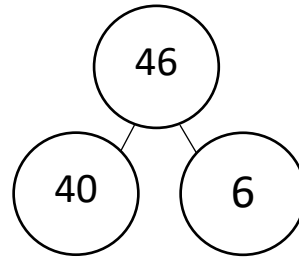
Step 1: Partition the numbers into hundreds, tens and units.

Step 2: Multiply each part of the grid.

Step 3: Once the numbers are multiplied, take your answers out of the grid and use the column method to add all the numbers together.

Be careful to place the digits correctly, lining up the hundreds, tens and units accurately. Use the place value mat if you need to.

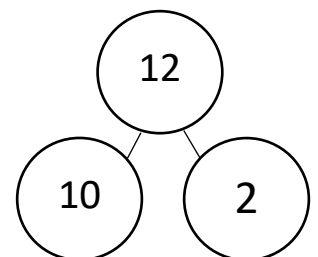
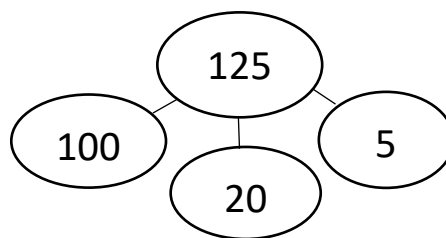
Work out 44×15



X	40	6
10	400	60
5	200	30

$$\begin{array}{r} 400 \\ 200 \\ 60 \\ + 30 \\ \hline 690 \\ \hline \end{array}$$

Work out 125×12



X	100	20	5
10	1000	200	50
2	200	40	10

$$\begin{array}{r} 1000 \\ 200 \\ 200 \\ 50 \\ 40 \\ + 10 \\ \hline 1500 \\ \hline \end{array}$$

Grid Method

1) $27 \times 5 =$

X	20	7
5		

2) $26 \times 3 =$

X	20	6
3		

3) $35 \times 2 =$

X		

4) $47 \times 3 =$

X		

5) $26 \times 4 =$

X		

6) $125 \times 13 =$

X			

7) $213 \times 12 =$

X			

8) $125 \times 12 =$

X			

9) $311 \times 15 =$

X			

10) $123 \times 23 =$

X			



Can you calculate the following using the grid method?

a) 86×14

b) 65×12

c) 38×16

d) 45×21

e) 22×13

f) 54×18

g) 45×29

h) 32×18

i) 18×37

j) 12×36

k) 28×44

l) 37×32

Can you calculate the following using the grid method?

a) 126×14

b) 115×12

c) 138×26

d) 150×21

e) 122×33

f) 145×19

g) 320×18

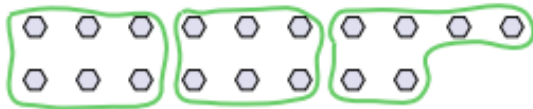
h) 118×24

i) 125×36

j) 280×41

Division

Ex) How many groups of 6 can you make with the 18 shapes below?



1) How many groups of 3 can you make with the 27 shapes below?



2) How many groups of 3 can you make with the 33 shapes below?



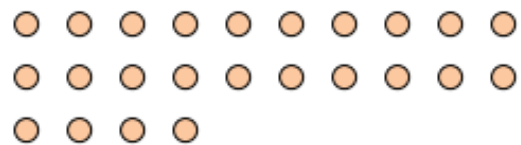
3) How many groups of 7 can you make with the 21 shapes below?



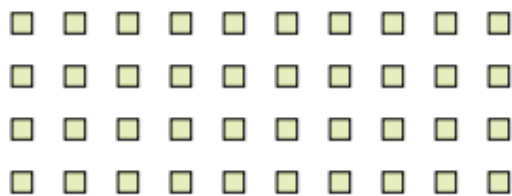
4) How many groups of 7 can you make with the 14 shapes below?



5) How many groups of 8 can you make with the 24 shapes below?



6) How many groups of 4 can you make with the 40 shapes below?



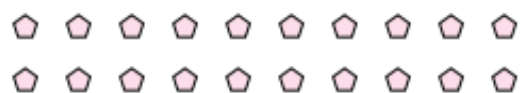
7) How many groups of 8 can you make with the 32 shapes below?



8) How many groups of 7 can you make with the 28 shapes below?



9) How many groups of 5 can you make with the 20 shapes below?



10) How many groups of 4 can you make with the 12 shapes below?



11) How many groups of 7 can you make with the 21 shapes below?



Divide by 10

1. $630 \div 10 =$ _____
2. $570 \div 10 =$ _____
3. $240 \div 10 =$ _____
4. $70 \div 10 =$ _____
5. $390 \div 10 =$ _____
6. $50 \div 10 =$ _____
7. $320 \div 10 =$ _____
8. $50 \div 10 =$ _____
9. $50 \div 10 =$ _____
10. $700 \div 10 =$ _____
11. $60 \div 10 =$ _____
12. $40 \div 10 =$ _____
13. $800 \div 10 =$ _____
14. $110 \div 10 =$ _____
15. $100 \div 10 =$ _____
16. $380 \div 10 =$ _____



Divide by 100

1. $3,900 \div 100 =$ _____
2. $3,700 \div 100 =$ _____
3. $600 \div 100 =$ _____
4. $2,100 \div 100 =$ _____
5. $1,600 \div 100 =$ _____
6. $900 \div 100 =$ _____
7. $3,300 \div 100 =$ _____
8. $6,300 \div 100 =$ _____
9. $500 \div 100 =$ _____
10. $700 \div 100 =$ _____
11. $3,900 \div 100 =$ _____
12. $500 \div 100 =$ _____
13. $7,500 \div 100 =$ _____
14. $1,800 \div 100 =$ _____
15. $900 \div 100 =$ _____
16. $900 \div 100 =$ _____

Bus-stop Method – No Remainder



How many times does 3 go into 5?
It goes into 5 once and has a remainder of 2.

$$57 \div 3 = 19$$

$$\begin{array}{r} 19 \\ 3 \overline{)57} \end{array}$$

How many times does 3 go into 27?
It goes into 27 nine times and has no remainder.

1. $7 \overline{)28}$

2. $5 \overline{)40}$

3. $5 \overline{)95}$

4. $2 \overline{)36}$

5. $3 \overline{)78}$

6. $2 \overline{)20}$

7. $8 \overline{)40}$

8. $6 \overline{)42}$

9. $4 \overline{)48}$

10. $7 \overline{)56}$

11. $5 \overline{)30}$

12. $6 \overline{)36}$

13. $9 \overline{)81}$

14. $5 \overline{)50}$

15. $3 \overline{)90}$

Challenge!

1. $429 \div 3 =$

2. $560 \div 4 =$

3. $615 \div 5 =$

4. $764 \div 4 =$

5. $288 \div 3 =$

6. $670 \div 5 =$

7. $488 \div 2 =$

8. $920 \div 4 =$

9. $363 \div 3 =$

10. $510 \div 5 =$

11. $504 \div 4 =$

12. $642 \div 6 =$

13. $752 \div 8 =$

14. $558 \div 6 =$

15. $728 \div 8 =$

16. $592 \div 4 =$

17. $684 \div 2 =$

18. $328 \div 4 =$

19. $648 \div 8 =$

20. $684 \div 6 =$

21. $954 \div 9 =$

22. $637 \div 7 =$

23. $678 \div 6 =$

24. $665 \div 7 =$

25. $945 \div 9 =$

26. $864 \div 8 =$

27. $574 \div 7 =$

28. $708 \div 6 =$

29. $936 \div 9 =$

30. $623 \div 7 =$

Percentages of an Amount



Find 50% of 24
Find 50% of 88
Find 50% of 100
Find 50% of 30
Find 50% of 62

Find 25% of 40
Find 25% of 36
Find 25% of 100
Find 25% of 30
Find 25% of 50

Find 75% of 40
Find 75% of 64
Find 75% of 100
Find 75% of 36
Find 75% of 88

What is 10% of 20?
What is 10% of 300?
What is 10% of 450?
What is 10% of 64?

What is 20% of 40?
What is 20% of 80?
What is 20% of £1.20?
What is 20% of £2.80?

What is 5% of 20?
What is 5% of 360?
What is 5% of 46?
What is 5% of 50?

What is 1% of 200?
What is 1% of 360?
What is 1% of 46?
What is 1% of 5?

Multiples of 1

- | | | | |
|--------------|---------------|----------------|----------------|
| 1. 10% of 50 | 6. 20% of 140 | 11. 40% of 20 | 16. 60% of 200 |
| 2. 10% of 80 | 7. 30% of 80 | 12. 40% of 10 | 17. 60% of 500 |
| 3. 20% of 60 | 8. 30% of 130 | 13. 40% of 60 | 18. 90% of 130 |
| 4. 20% of 70 | 9. 30% of 30 | 14. 40% of 120 | 19. 70% of 230 |
| 5. 20% of 90 | 10. 30% of 60 | 15. 60% of 30 | 20. 80% of 800 |

Profit/Loss questions

How many do you know?

Q1. I buy something for £20. I sell it for £35. Is it a profit or a loss, and by how much?

Q2. I make a profit of £10 on a shirt. I bought the shirt for £7. How much did I sell it for?

Q3. I buy a book for £8, I sell it for £3.25. How much of a loss do I make?

Q4. I sold a pencil case for £2.15, I bought it for 68p, what was my profit?

Q5. I spent £3.86 on a box of mangoes and sold it for £5.57, what was my profit?

Q6. I made a loss of £5 on a lamp I bought for £14, how much did I sell it for?

Q7. If I sell a pair of shoes for £35, and I've made a profit of £17, how much did I buy the shoes for?

Q8. I made a loss of £11 on a lipstick I bought for £19, how much did I sell it for?

Q9. I sold a banana for £2.04, I bought it for 52p, what was my profit?

Q10. I spent 32p on a kiwi and sold it for 97p, what was my profit?

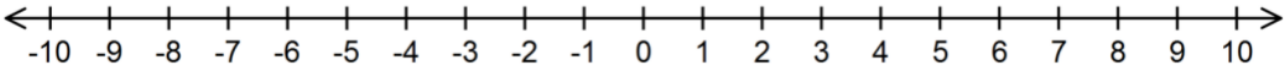
Q11. Bart bought a used bicycle for £300, he spent £85 on repairs and £40 in repainting. He then sold it to his friend for £500. How much did he gain or lose? What was the profit or loss percent?

Q12. Cam bought 20 notebooks and sold them at £3.50 each. If it cost Cam £50 for the notebooks, did he make a profit or loss and what was the value of profit or loss?

Negative Numbers

Help and hints.....

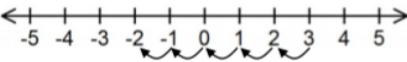
Negative numbers 1



TASK 1

$$3 - 5 =$$

Start on '3' and count 5 'backwards'

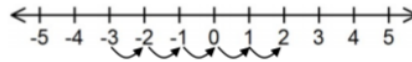


$$3 - 5 = -2$$

TASK 2

$$-3 + 5 =$$

Start on '-3' and count 5 'forwards'

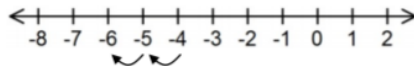


$$-3 + 5 = 2$$

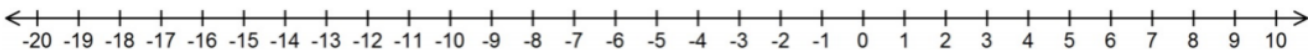
TASK 3

$$-4 - 2 =$$

Start on '-4' and count 2 'backwards'



$$-4 - 2 = -6$$



TASK 1	TASK 2	TASK 3	TASK 4
1. $8 - 12 =$	1. $-7 + 11 =$	1. $-2 - 7 =$	1. $3 - 7 =$
2. $3 - 8 =$	2. $-1 + 9 =$	2. $-5 - 1 =$	2. $-2 + 6 =$
3. $4 - 9 =$	3. $-6 + 8 =$	3. $-1 - 10 =$	3. $2 - 7 =$
4. $6 - 9 =$	4. $-6 + 9 =$	4. $-6 - 5 =$	4. $5 - 6 =$
5. $3 - 7 =$	5. $-3 + 6 =$	5. $-5 - 6 =$	5. $5 - 9 =$
6. $7 - 11 =$	6. $-3 + 10 =$	6. $-1 - 12 =$	6. $-2 - 11 =$
7. $3 - 5 =$	7. $-3 + 13 =$	7. $-5 - 9 =$	7. $-3 + 13 =$
8. $2 - 5 =$	8. $-2 + 5 =$	8. $-4 - 1 =$	8. $-7 - 10 =$
9. $4 - 7 =$	9. $-4 + 6 =$	9. $-6 - 2 =$	9. $8 - 9 =$
10. $1 - 3 =$	10. $-1 + 2 =$	10. $-1 - 2 =$	10. $-4 - 1 =$
11. $6 - 10 =$	11. $-6 + 7 =$	11. $-6 - 12 =$	11. $-3 + 10 =$
12. $3 - 5 =$	12. $-1 + 7 =$	12. $-3 - 9 =$	12. $6 - 11 =$
13. $7 - 12 =$	13. $-2 + 12 =$	13. $-5 - 1 =$	13. $5 - 10 =$
14. $5 - 10 =$	14. $-6 + 11 =$	14. $-7 - 12 =$	14. $7 - 12 =$
15. $4 - 9 =$	15. $-4 + 7 =$	15. $-5 - 1 =$	15. $-6 - 8 =$

Wordsearch

- | | | |
|----------------------------------|----------------------------------|----------------------------------|
| 1). $5 + 4 - 3 =$ <u>SIX</u> | 2). $9 - 5 + 8 =$ _____ | 3). $9 - 4 + 2 =$ _____ |
| 4). $3 + 7 + 6 - 2 =$ _____ | 5). $6 + 8 - 2 + 9 =$ _____ | 6). $8 + 7 - 1 + 9 =$ _____ |
| 7). $3 + 4 - 6 + 3 =$ _____ | 8). $7 + 4 + 6 =$ _____ | 9). $9 - 2 - 6 =$ _____ |
| 10). $8 + 7 + 9 + 5 =$ _____ | 11). $5 + 8 - 4 - 7 =$ _____ | 12). $9 + 7 + 6 + 4 + 9 =$ _____ |
| 13). $3 + 9 + 7 + 8 - 2 =$ _____ | 14). $6 + 5 - 3 + 8 - 1 =$ _____ | 15). $4 - 1 + 8 + 7 + 6 =$ _____ |
| 16). $9 + 8 + 9 + 7 =$ _____ | 17). $7 + 5 + 9 - 2 =$ _____ | 18). $7 + 9 + 8 - 2 + 5 =$ _____ |
| 19). $9 + 8 - 1 + 8 + 8 =$ _____ | 20). $3 - 2 + 7 - 5 =$ _____ | 21). $9 + 7 + 8 + 6 + 9 =$ _____ |
| 22). $6 - 3 + 9 + 4 =$ _____ | 23). $3 + 8 - 5 + 4 =$ _____ | 24). $8 - 3 + 9 + 8 + 6 =$ _____ |
| 25). $9 + 8 + 9 + 7 - 2 =$ _____ | 26). $7 + 6 - 5 =$ _____ | 27). $7 + 8 + 9 + 8 + 8 =$ _____ |
| 28). $4 - 2 + 8 - 5 =$ _____ | 29). $4 + 7 - 3 + 5 =$ _____ | 30). $9 - 2 + 9 + 9 + 9 =$ _____ |
| 31). $3 - 1 + 9 - 2 =$ _____ | 32). $9 + 9 + 9 + 9 =$ _____ | 33). $8 - 2 + 9 + 7 + 4 =$ _____ |
| 34). $7 - 4 + 8 + 6 + 5 =$ _____ | 35). $5 + 8 - 1 + 6 =$ _____ | 36). $8 + 8 - 9 + 4 =$ _____ |



E	N	O	Y	T	N	E	W	T	B	L	A	S	I	X	T	E	E	N	T
C	T	S	L	D	N	I	N	E	V	H	M	O	R	F	W	S	N	W	I
P	T	H	G	I	E	Y	T	N	E	W	T	W	T	O	E	B	E	M	E
E	W	H	I	N	G	N	R	A	L	V	L	T	N	C	N	N	V	O	F
I	E	O	N	R	A	T	S	X	E	X	O	Y	D	V	T	S	G	I	N
S	N	D	E	T	T	M	W	Y	V	S	N	T	E	Y	Y	P	F	A	F
E	T	B	X	R	H	Y	X	E	E	P	E	R	S	T	S	T	O	T	E
I	Y	L	I	S	I	I	T	R	N	B	B	I	M	G	E	R	U	F	M
G	F	T	S	V	R	V	R	H	P	T	X	H	L	E	V	F	R	I	E
H	O	N	Y	P	T	F	E	T	R	E	Y	T	N	F	E	C	T	V	E
T	U	A	T	R	Y	S	V	E	E	E	N	N	A	T	N	D	E	E	R
S	R	S	R	O	O	S	I	O	G	E	E	I	I	N	S	L	E	A	H
E	F	H	I	D	N	R	F	O	U	R	N	O	N	N	E	G	N	S	T
V	N	L	H	T	E	T	Y	A	N	B	E	F	D	Y	E	V	I	E	Y
E	S	A	T	H	S	N	T	S	R	V	O	W	T	Y	T	N	E	W	T
N	I	N	E	T	E	E	N	D	L	R	O	A	S	H	C	R	A	S	N
T	T	W	O	F	L	C	E	E	T	X	N	E	E	T	H	G	I	E	E
E	B	S	I	X	A	S	W	Y	V	F	T	H	R	E	E	B	L	H	W
E	V	H	I	D	S	T	T	E	B	E	V	I	F	Y	T	R	I	H	T
N	S	T	H	I	R	T	Y	F	O	U	R	C	E	T	E	N	F	E	S