Brackets
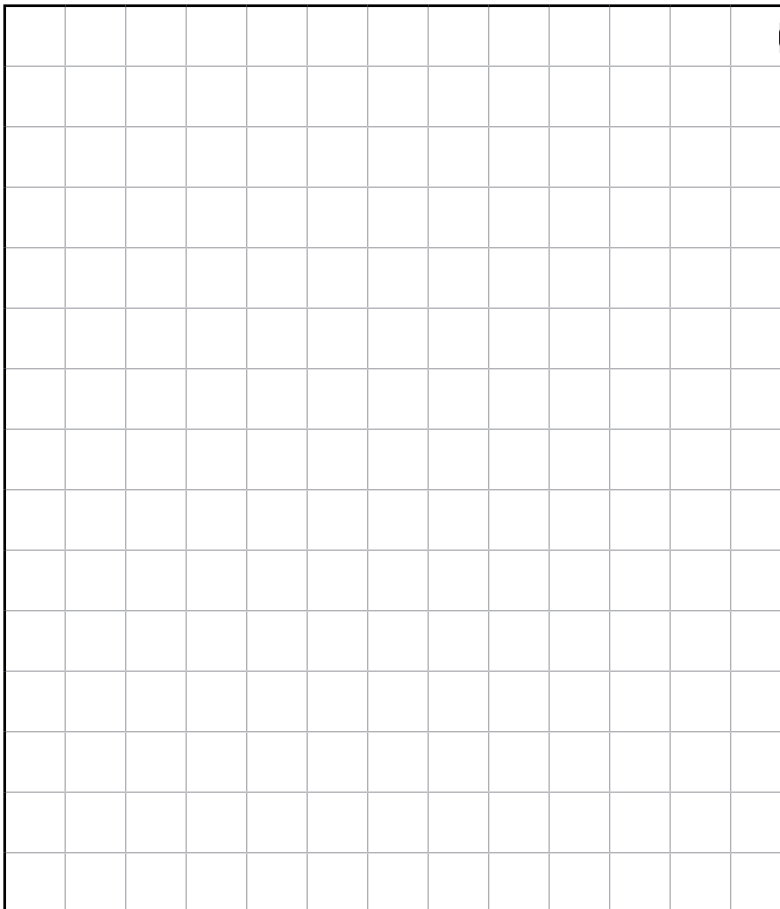
I can explore the order of operations using brackets.
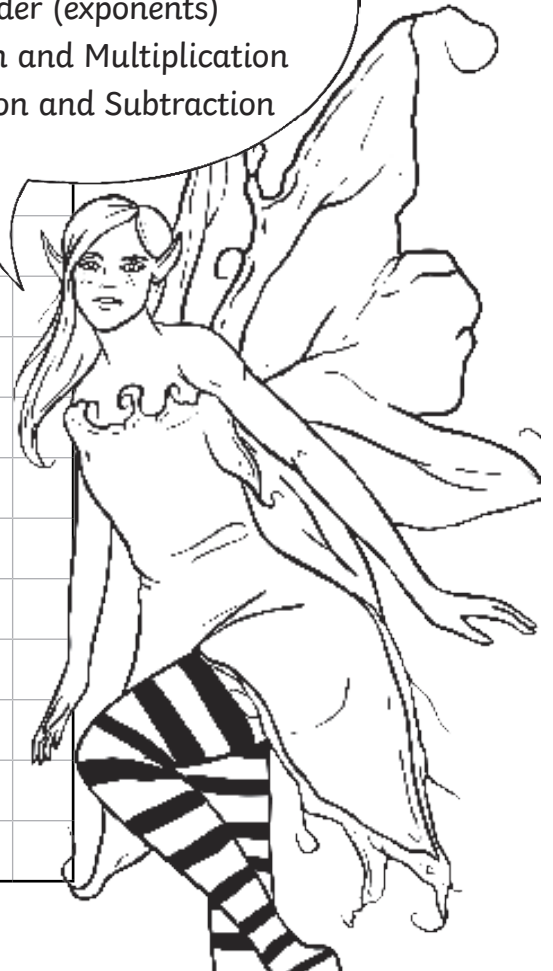
Complete these calculations using your knowledge of BODMAS.

1) 256 - 163 + 492 = _____

2) 315 ÷ 9 × 10 = _____

3) 592 + 396 + 1943 + 29 894 - 4287 = _____

4) 1959 - 2100 ÷ 6 = _____

5) 159 × 3 - (693 - 284) = _____

6) 24 000 ÷ 60 - 254 = _____

7) 693 ÷ 3 × 2 × 4 = _____

8) 5935 - 3145 - (583 + 392) = _____

Use this space for your working out jottings:

Don't forget
your BODMAS order:
Brackets
Order (exponents)
Division and Multiplication
Addition and Subtraction

Brackets **Answers**

Question	Answer
	Complete these calculations using your knowledge of BODMAS.
1	256 - 163 + 492 = **585**
2	315 ÷ 9 × 10 = **350**
3	592 + 396 + 1943 + 29 894 - 4287 = **28 538**
4	1959 - 2100 ÷ 6 = **1609**
5	159 × 3 - (693 - 284) = **68**
6	24 000 ÷ 60 - 254 = **146**
7	693 ÷ 3 × 2 × 4 = **1848**
8	5935 - 3145 - (583 + 392) = **1815**

Brackets
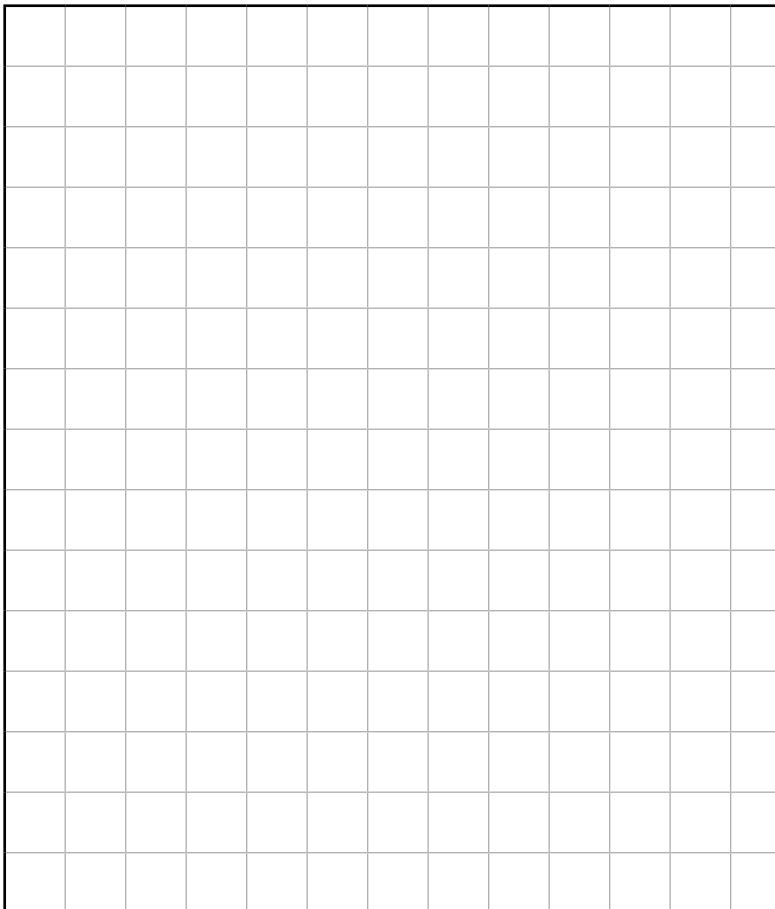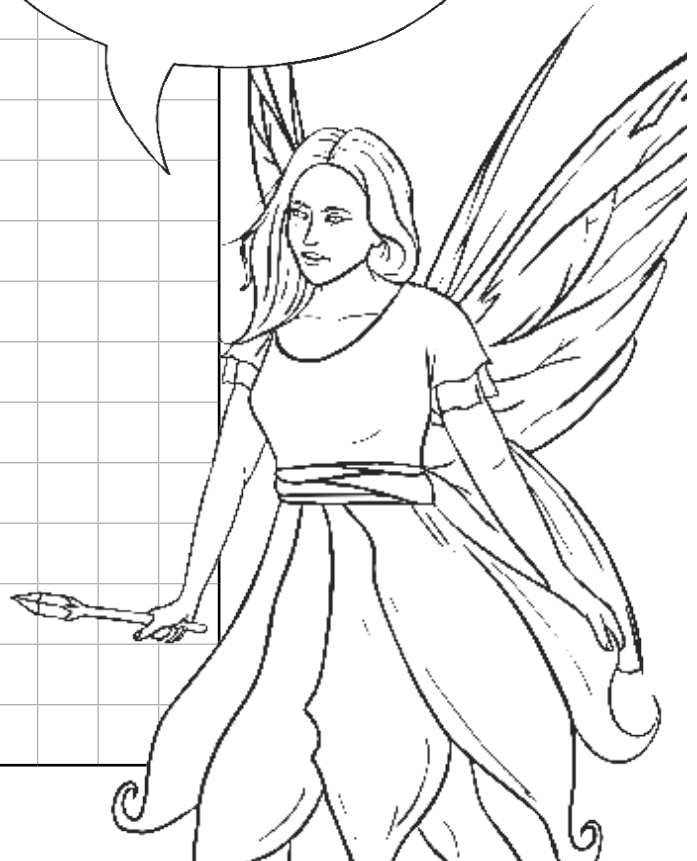
I can explore the order of operations using brackets.

Complete these calculations. Add any missing brackets.

1)   9048 - 2294 + 5329 =

2)   456 ÷ 19 × 10 =

3)   2945 + 3926 + 10 443 + 392 894 - 224 487 =

4)   1959 - 1440 ÷ 18 =

5)   245 × 4 - 1039 - 593 =

6)   29 400 ÷ 70 - 319 =

7)   1524 ÷ 6 × 2 × 2.5 =

8)   12 867 - 8767 - 1274 + 976 =

Use this space for your working out jottings:

Don't forget
your BODMAS order:
Brackets
Order (exponents)
Division and Multiplication
Addition and Subtraction

Brackets **Answers**

Question	Answer
Complete these calculations. Add any missing brackets	
1	9048 - 2294 + 5329 = *12 083*
2	456 ÷ 19 × 10 = *240*
3	2945 + 3926 + 10 443 + 392 894 - 224 487 = *185 721*
4	1959 - 1440 ÷ 18 = *1879*
5	245 × 4 - (1039 - 593) = *534*
6	29 400 ÷ 70 - 319 = *101*
7	1524 ÷ 6 × 2 × 2.5 = *1270*
8	12 867 - 8767 - (1274 + 976) = *1850*

Brackets
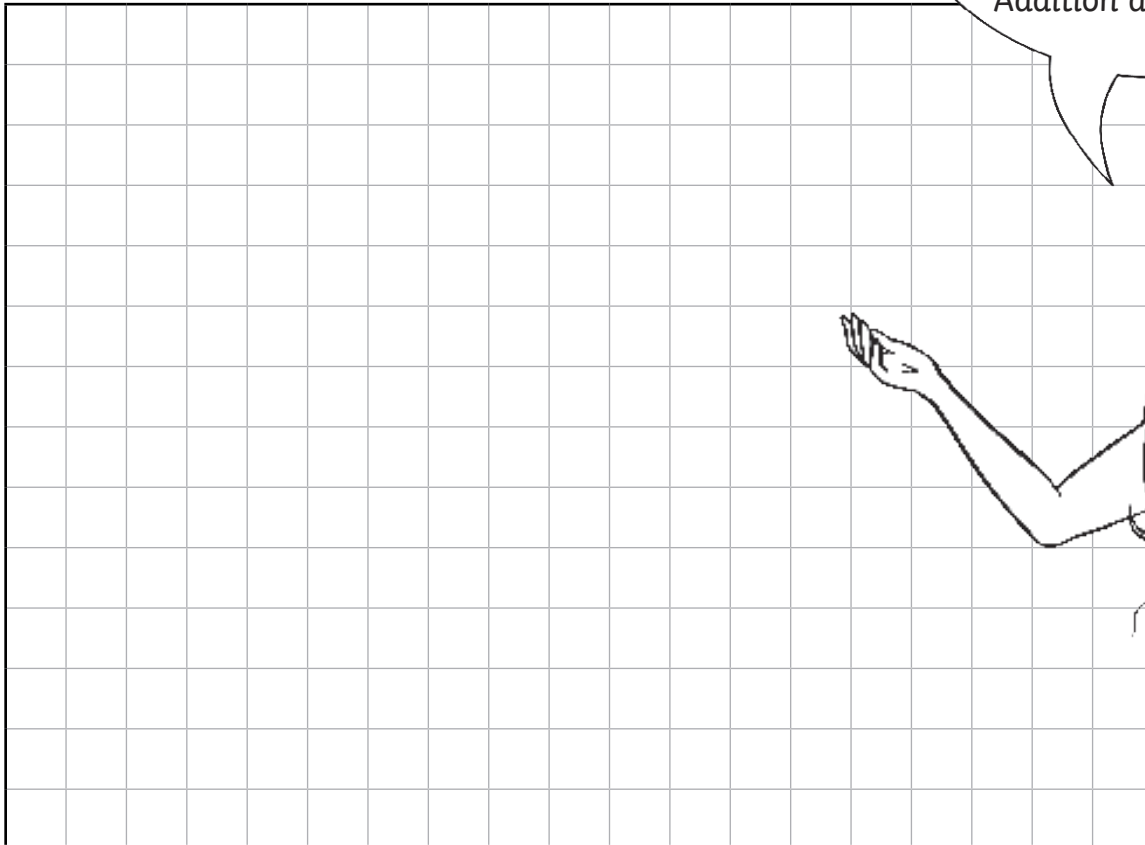
I can explore the order of operations using brackets.

Charley says that none of these calculations need brackets. Is he correct? Explain how you know.

1) $1524 \div 6 \times 2 \times 2.5 = 1270$

2) $29\ 400 \div 70 - 319 = 101$

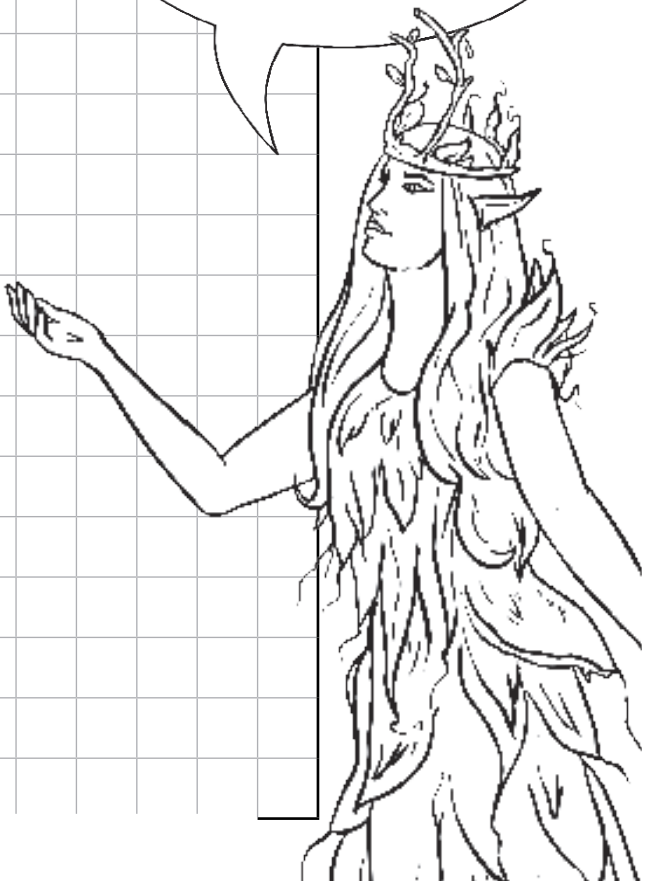3) $245 \times 4 - 1039 - 593 = 534$

4) $1959 - 1440 \div 18 = 1879$

_____

_____

Complete these calculations using your knowledge of BODMAS.

1) $583 \times 13 \div (2.5 \times 4) =$ _____

2) $9294 \div 12 - (241.5 + 468.6) =$ _____

3) $6943 + 73 \times 19 + 1800 \div 30 =$ _____

4) $19\ 495 - 19 \times 20 - 392 \times 12 =$ _____

Use this space for your working out jottings:

Don't forget
your BODMAS order:
Brackets
Order (exponents)
Division and Multiplication
Addition and Subtraction

Brackets **Answers**

Question	Answer
	Charley says that none of these calculations need brackets. Is he correct? Explain how you know.
1	1524 ÷ 6 × 2 × 2.5 = 1270
2	29 400 ÷ 70 - 319 = 101
3	245 × 4 - (1039 - 593) = 534
4	1959 - 1440 ÷ 18 = 1879
	Charley is incorrect. Calculation 3 needs brackets around 1039 - 593 (as shown above). Without them, the answer would be a negative number as you would be subtracting 1039 and 593 from 980.
	Complete these calculations using your knowledge of BODMAS.
1	583 × 13 ÷ (2.5 × 4) = **757.9**
2	9294 ÷ 12 - (241.5 + 468.6) = **64.4**
3	6943 + 73 × 19 + 1800 ÷ 30 = **8390**
4	19 495 - 19 × 20 - 392 × 12 = **14 411**

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