

Reasoning about numbers or shapes

What pair of numbers gives a sum of 165 and a product of 6806?

Explain how you would do this calculation.

36 x 45

Write down an example that matches this statement.

'If you add up all the angles within a triangle it comes to 180°'

 \square

What 3 numbers could add up to 0.525?
•••••••••••••••••••••••••
Explain how you would do this calculation.
$\frac{5}{20}$ of 360
Write down an example that matches this statement
If you multiply a number by a naif it makes the number twice as small."
•••••••••••••••••••••••••••••••••••••••
Explain how you can work out the number of days in any number of weeks. Write a formula for it.
•••••••••••••••••••••••••••••••••••••••
Write down an example that matches this statement.
'If $13.7 < $ < 17.9 then any number between 13.7 and 17.9 can go in the box.'
Explain how you would do this calculation. 10,010 – 9625
••••••••••••••••••••••••
What could the missing numbers be?
**6 ÷ ** = 38
•••••••••••••••••••••••••
Write a formula for the perimeter of a regular polygon where the length of the side is ' ℓ ' and the number of sides is \mathcal{N} . What is the perimeter of a pentagon whose side length is 11cm?
Write down an example that matches this statement.
'If you want to multiply a number by 16 multiply it by 4 twice '
ה צטע שמחנ נט הועונוףוץ מ העודוטפו טא דס, הועונוףוץ זו טא 4 נשוכפ.
••••••••••••••••••••••••••••••••••••••
Explain now you would do this calculation.
625 ÷ 25

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	Reasoning about numbers or shapes
2	What 3 numbers could add up to 0.725?
	••••••••••••••
2.	Explain how you would do this calculation. $\frac{5}{20}$ of 1360
	••••••••••••••••
3.	Write down an example that matches this statement.
	'If you multiply a number by a quarter it makes the number four times as small.'
	•••••••••••
4.	Explain how you can work out the number of months in any number of years. Write a formula for it.
	•••••••••••••••••
5.	Write down an example that matches this statement.
	'If $33.7 < _ < 37.9$ then any number between 33.7 and 37.9 can go in the box.'
	• • • • • • • • • • • • • • • • • • • •
6.	Explain how you would do this calculation.
	20,010 – 15,625
	•••••••••••••••••
7.	What could the missing numbers be?
	***6 ÷ ** = 328
	•••••••••••••••••
8.	Write a formula for the perimeter of a regular polygon where the length of the side is ℓ and the number of sides is n . What is the perimeter of a hexagon whose side length is 12cm?
9.	Write down an example that matches this statement.
	'If you want to multiply a number by 36. multiply it by 6 twice.
10	Explain how you would do this calculation
10.	2105 - 05

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	Reasoning about numbers or shapes
ı.	What 3 numbers could add up to 0.935?
·	Explain how you would do this calculation. $\frac{5}{20}$ of 3360
	••••••••••••••••
	Write down an example that matches this statement.
	'If you multiply a number by a third it makes the number three times as small.'
	•••••••••••••••••
	Explain how you can work out the number of months in any number of decades. Write a formula for it.
	• • • • • • • • • • • • • • • • • • • •
	Write down an example that matches this statement. 'If 333.7 << 337.9 then any number between 333.7 and 337.9 can go in the box.'
	•••••••••••••••••
	Explain how you would do this calculation.
	28,010 – 14,625
	• • • • • • • • • • • • • • • • • • • •
	What could the missing numbers be?
	****6 ÷ *** = 328
	••••••••••••••••••••••
	Write a formula for the perimeter of a regular polygon where the length of the side is ℓ and the number of sides is n . What is the perimeter of an octagon whose side length is 36cm?
	Write down an example that matches this statement.
	'If you want to multiply a number by 64. multiply it by 8 twice.'
	Explain how you would do this calculation
	30125 ÷ 25