



An investment in knowledge pays the best interest.

Benjamin Franklin

Welcome to this edition of W/C 1.5.23. Within this print, you will find a review of recent learning, an exercise to aid with retrieval and something fun! We hope you like it!

REVIEW OF RECENT LEARNING

This is a knowledge card for the topic:
Calculate the mode/
mean from a
frequency table

★
Calculate the mode:

Score	Frequency
1	3
2	2
3	3
4	5

Mode is the number that occurred the most. In this case it is the score with the highest frequency.

4



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★★
Calculate the mean:

Score	Frequency	fx
1	1	1
2	3	6
3	1	3
4	5	20
	10	30

To find the mean you add up all of the scores and divide by how many there are.

The sum can be found with the fx column.

How many there are is the total frequency.

$$\frac{30}{10} = 3$$

★★★
Calculate the mean score
(to 1dp):

mid	Score	Frequency	fx
4.5	3 ≤ s < 6	2	9
7.5	6 ≤ s < 9	2	15
10.5	9 ≤ s < 12	3	31.5
		7	55.5

In this case we don't know the individual scores, so we use the mid-point to find the fx column.

fx = mid x frequency

$$\frac{55.5}{7} = 7.9$$

This is an "I do, you do" example pair for the topic:
Apply Pythagoras' Theorem

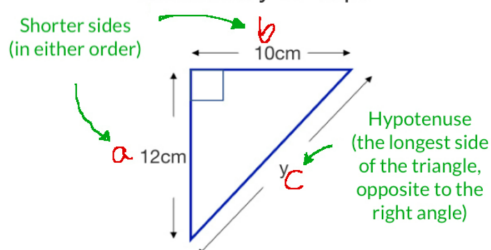


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I DO
Calculate y to 1dp.



Use the formula:

$$a^2 + b^2 = c^2$$

If a = 12 and b = 10:

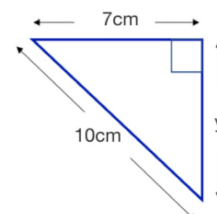
$$12^2 + 10^2 = c^2$$

$$144 + 100 = c^2$$

$$c^2 = 244$$

$$c = \sqrt{244} \approx 15.6 \text{ cm}$$

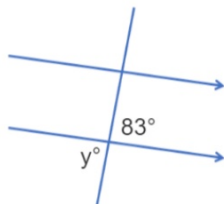
YOU DO
Calculate y to 1dp.



RETRIEVAL OF PAST LEARNING

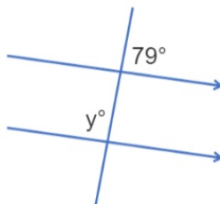
1 ★ FOUNDATION/HIGHER

Find y and give a reason.



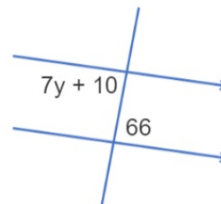
2 ★ FOUNDATION/HIGHER

Find y .



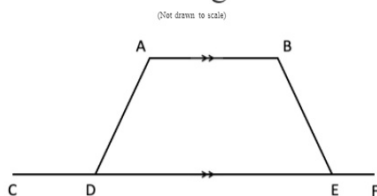
3 ★ FOUNDATION/HIGHER

Find the value of y .



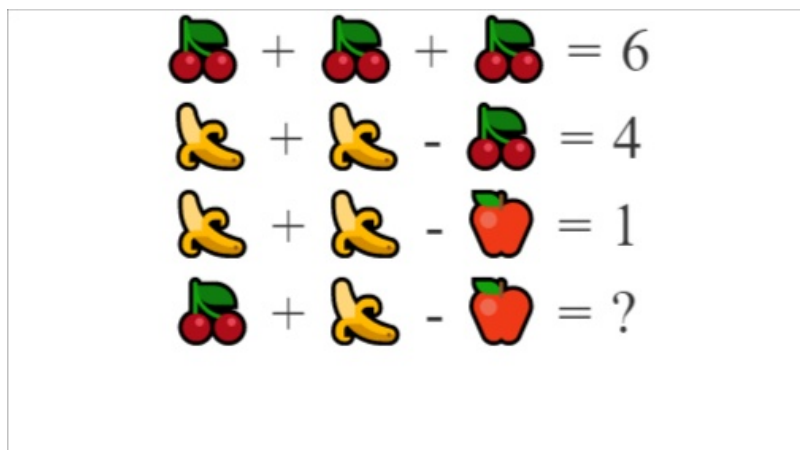
4 ★ FOUNDATION/HIGHER

If angle $CDA = 132^\circ$,
calculate angle DAB .



FUN ZONE

Solve the following Facebook style problem:



Joke time!

How do you make seven an even number?

Remove the S

ANNOUNCEMENTS

ANSWERS

1 ★ FOUNDATION/HIGHER

83° due to vertically opposite
angles

2 ★ FOUNDATION/HIGHER

101°

3 ★ FOUNDATION/HIGHER

8

4 ★ FOUNDATION/HIGHER

132°

FUN ZONE

Facebook problem answer:

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