

The total of Jenna's javelin throws was 7000cms.
Her first throw was 1500cms.
Her next 5 throws were exactly the same distance.
How far did she throw her javelin after her first go, in metres?

Jenna was given a target of 22m in total to throw the javelin with 4 attempts.
She never threw the javelin less than 4m
How far might she have thrown each javelin in whole metres to exactly reach her target?

Jenna threw her javelin 4.67 metres.
This was 50cms further than her first throw.
After her third throw she had thrown the javelin a total of 12 metres.
How far did she throw her third javelin?

CARD 2

Jenna threw her javelin 4.67 metres.
This was 50cms further than her first throw.
How far did she throw her javelin in total after the first two throws, in metres?

What if...
...the javelin was thrown an additional $\frac{1}{10}$ of the original distance.

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This was 50cms further than her first throw.
How far did she throw her javelin in total after the first two throws, in metres?
After her third throw she had thrown the javelin a total of 12 metres.
How far did she throw her third javelin?

Jenna threw her final javelin 9.3m.
Her friend Gemma said she had thrown her javelin a further 91cms of 839cms
Is she correct?
Explain how you know.

Measurement:
length m/cms
decimals + - ÷

Simple

More steps

Instructions left out

Explain

Finding all possibilities

Less straight forward

What if...

$$7000 - 1500 = 5500\text{cms}$$

$$5500 \div 5 = 1100\text{cms}$$

$$1100\text{cms} = 11\text{m}$$

Throw 1	Throw 2	Throw 3	Throw 4
4m	4m	4m	10m
4m	4m	5m	9m
4m	4m	6m	8m
4m	4m	7m	7m
4m	5m	5m	8m
4m	5m	6m	7m

etc.

One possible approach...

How does this alter the distances the javelin was thrown in the Yellow challenge?

$$4.67\text{m} - 50\text{cms}$$

$$467\text{cms} - 50\text{cms} = 417\text{cm}$$

$$467\text{cms} + 417\text{cms} = 884\text{cms}$$

$$884\text{cms} = 8.84\text{m}$$

$$12\text{m} - 8.84\text{m} = 3.16\text{m}$$

$$4.67\text{m} - 50\text{cms}$$

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Gemma is not correct.

9.3m = 930cms which is 91cms more than 839cms.