

KS2 Problem of the Day

Monday 19th March 2018

- 1 Add the difference between 7,200 and 3,950 to the product of 278 and 9

5,752



2



Tia has £4.78 Millie has £33.82

Millie gives Tia some money.

Millie now has 3 times as much money as Tia.

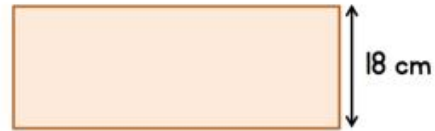
How much money did Millie give Tia?

£4.87



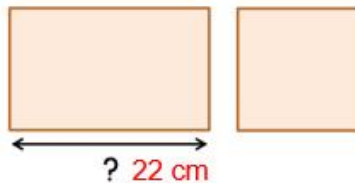
- 3 A rectangle has an area of 720 cm²

The width of the rectangle is 18 cm.



A square is cut off the end of the rectangle.

What is the length of the rectangle remaining?



<https://www.youtube.com/watch?v=QnFPrPCdjUs>

<https://www.youtube.com/watch?v=jdxlCrSjKlE>

<https://www.youtube.com/watch?v=5Yt1v0xg6Vo>

A. $12 \times 33 = 396$ (W)

B. $80 + 90 = 170$ (M)

C. $450 \times 30 = 13,500$ (M)

D. $16.07 - 4.79 = 11.28$
(W)

E. $810 \div 90 = 9$ (M)

F. $30 \times 8 = 240$ (M)

Grammar starter 10:

Identify the modal verb in each of the sentences.

Sentence	Modal verb
It might be time for us to start walking home.	might
I cannot see where my dog ran to.	cannot
He shouldn't come to school tomorrow due to his illness.	shouldn't
He knew he ought to eat his vegetables but he didn't want to.	ought
He won't listen to his family's advice about having pet pigs!	won't

My Eternal Journey

9 My journey never ends. I spend my never-ending life
20 going in eternal circles! This can be exciting but at times
23 it is exhausting.
33 Yesterday, I was resting in the deep, dark ocean when
44 the current pulled me nearer the surface and I felt myself
53 becoming lighter – I was evaporating. My friends tried to
66 pull me back but it was too late: the sun was too powerful
78 and I soared into the sky. How amazing it was to be
89 floating high above the sea! A huge gust of wind blew
99 me along until I collided with more water vapour and
109 formed a cloud. We were all busy, hustling and bustling,
119 joining together, until we were heavy enough to fall back
130 to Earth. I wondered where I would end up this time...



Answers



1. Which words mean the same as 'perpetual'?
Accept: eternal and never-ending.



2. When does the water droplet become lighter?
Accept: when it evaporates / becomes water vapour.



3. How does the mood of the water droplet change throughout the story?
Accept any reasonable description that explains the change from relaxed at the beginning to excited and busy in the middle to nervous and unsure at the end.



4. What will happen to the water droplet now?
Accept any reasonable prediction based on the idea that the water cycle is continuous – e.g. It will fall into a river, make its way back to the sea and then evaporate again.