

- 1) Accept a correct explanation that shows that the statement is correct, for example 1095 days is equal to 3 years whereas 37 months equals 3 years and 1 month. Therefore, Henry is older.
- 2) Accept a correct explanation which shows that Noah is incorrect, for example 1¾ hours is equal to 105 minutes, not 145 minutes. The correct total is 388 minutes or 6 hours and 28 minutes.





Diving into Mastery Guidance for Educators

Each activity sheet is split into three sections, diving, deeper and deepest, which are represented by the following icons:



These carefully designed activities take your children through a learning journey, initially ensuring they are fluent with the key concept being taught; then applying this to a range of reasoning and problem-solving activities.

These sheets might not necessarily be used in a linear way. Some children might begin at the 'Deeper' section and in fact, others may 'dive straight in' to the 'Deepest' section if they have already mastered the skill and are applying this to show their depth of understanding.





Converting Units of Time

Ola is taking part in a sponsored silence for charity.

Three of Ola's friends agree to sponsor her for the following amounts:

Converting Units of Time

Ola is taking part in a sponsored silence for charity.

Three of Ola's friends agree to sponsor her for the following amounts:

Calculating Angles on a Straight Line

Dive in by completing your own activity!

1) Convert the units of time.					
2 minutes and 16 seconds	9 years and 3 months				
seconds	months				
1 hour and 43 minutes	2 weeks and 3 days				
minutes	days				
2 days and 6 hours	2 ¹ / ₄ hours				
hours	minutes				
	628 seconds				
	minutes				
and seconds					
200 minutes hours and minutes					
mututes					

 Convert the units of time. 2 minutes and 16 seconds seconds 	9 years and 3 months
1 hour and 43 minutes minutes	2 weeks and 3 days days
2 days and 6 hours hours	$\frac{1}{4} \text{ hours}$
ar	628 seconds minutes nd seconds
200 minutes hours and minutes	

Do you agree with this statement? Explain your answer.

2) Here are the durations of four different films

	Clowning Around	I	Dance School					
1	hour and 33 minutes	90 minutes						
	Super Sonic		Gh	ost	Ηοι	ıse		
	$1\frac{3}{4}$ hours	1 hour and 40 minutes						
a)	Noah finds the total ru time of all four films b converting all the time minutes and using column addition.	ınning Y 2s to	+	1 1 4 2	9 9 4 0 2	3 0 5 0 8	minute	

Is Noah correct or incorrect? Explain your answer.

- b) Write two true statements and one false statement about the durations of the films. Can your partner identify the incorrect statement?
- 1) Oliver is taking part in a sponsored dance-a-thon for charity.

Three of Oliver's friends agree to sponsor him the following amounts:

- £1.00 for every 300 seconds
- £2.50 for every quarter of an hour

Lan

- a) How much will each friend give Oliver after 30 minutes of dancing?
- b) How much money will Oliver earn in total after 135 minutes of dancing?
- c) Choose your own time that Oliver could have danced for and calculate how much money he would have raised for charity.

Do you agree with this statement? Explain your answer.

2) Here are the durations of four different films

Clowning Around	Dance School		
1 hour and 33 minutes	90 minutes		
Super Sonic	Ghost House		
1 3 hours	1 hour and 40 minutes		

a) Noah finds the total running time of all four films by converting all the times to minutes and using column addition.

- Is Noah correct or incorrect? Explain your answer.
- b) Write two true statements and one false statement about the durations of the films. Can your partner identify the incorrect statement?
- Oliver is taking part in a sponsored dance-a-thon for charity.

Three of Oliver's friends agree to sponsor him the following amounts:

£1.50 for every 10 minutes

- £1.00 for every 300 seconds
- £2.50 for every quarter of an hour
- a) How much will each friend give Oliver after 30 minutes of dancing?
- b) How much money will
 Oliver earn in total after
 135 minutes of dancing?
- c) Choose your own time that Oliver could have danced for and calculate how much money he would have raised for charity.