

Date: ____/____/____

LO: solve problems involving multiplication and division, including scaling by simple fractions and problems involving simple rates (Y5)

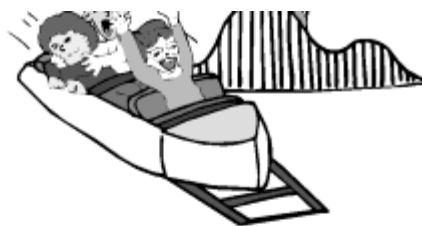
Solve these word problems. Show how you worked them out:

- a Dan's dad has resorted to bribery to counteract Dan's PlayStation addiction. For every evening, Dan spends away from the PlayStation, his dad pays him £3. So far, Dan has racked up an impressive 27 nights (though he looks like breaking any day now). How much money does this equate to?
-

- b Dan's mum thinks she might get in on the action too and pays Dan £4 for every week that he puts his dishes in the dishwasher and his dirty clothes in the basket. Dan is less keen on this plan but does manage 33 weeks in 1 year. How much has he made out of this scheme?

These resources have been uploaded by the teaching community. Please contact me to report any inappropriate resource. Thanks.

You're planning a trip to the Wet and Wild theme park and there are many ticket options. Use a strategy of your choice and the price list below to answer the following questions:



Entry

1-day pass **£16**

2-day pass **£24**

Annual pass **£45**

Individual rides **£6**

10-ride pass **£50**

Order online **£2 discount**

Extras

5-minute helicopter ride **£21**

10-minute helicopter ride **£35**

30-minute helicopter ride **£105**

Sunset cruise **£6**

Lunch cruise **£11**

Swim with the dolphins **£35**

- a If you buy a 2-day pass, what is the cost per day?
- b How much cheaper is this option than buying two 1-day passes?
- c If you bought an annual pass, how many times would you need to visit to make it a better option than buying either a 1-day or 2-day pass?
- d What if you choose just the rides? How much would you save if you bought the 10-ride pass instead of the individual rides?
- e If you took a 5-minute helicopter ride, what would be the cost per minute?
- f What about if you chose the 10-minute flight option? What would be the cost per minute?
- g Plan a day's itinerary for you and a partner. How much will this cost?



**What
to do**

Complete this crossnumber puzzle:

1			2		
		3			
		4			5
	6			7	
			8		
9			10		

Across

1 $60 \div 5$

2 25×5

3 7×6

4 15×6

7 7×3

9 9×6

10 6×50

Down

1 11×11

2 12×10

3 7×7

5 $66 \div 6$

6 12×12

8 $39 \div 3$



**What
to do**

Use the "guess, check and improve" strategy to solve this problem. You could use a calculator to help if you wish.

Tracey paid £3.10 for 7 jelly snakes and 4 sherbets. Madison paid £2.95 for 4 jelly snakes and 7 sherbets. How much does one jelly snake cost? How much does one sherbet cost?

If the decimals are confusing me, I can change the amounts to 310 pence and 295 pence.



THINK

Money bags

Ram divided 15 pennies among four small bags.

He could then pay any sum of money from 1p to 15p, without opening any bag.

How many pennies did Ram put in each bag?

