Coaster Land Theme Park

Addition and Subtraction Word Problems

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1. There are 345 people in the queue for the theme park. Inside the park are 564 people. How many visitors is that altogether?

564 + 345 = 909

2. David wants to buy some candyfloss from the snack kiosk. In his wallet, he has 342p. The candyfloss costs 151p. How much money will he have left after he buys the candyfloss.

342p – 151p = 191p

3. The track of the newest rollercoaster is 1432m long. The next longest rollercoaster is 987m long. What is the difference between their lengths?

1432m – 987m = 445m

4. In order to go on the Hyper-Mega Coaster, you need to be 141cm tall. Nellie is only 123cm tall. How much does she need to grow before she can go on the ride?

141cm – 123cm = 18cm

5. Theme park tickets cost £12.50 for children and £15.60 for adults. How much would it cost for 1 adult and 2 children to go?

(remember, the decimal point makes no difference to the column method)

£12.50 + £12.50 + £15.60 = £40.60

Challenge:

6. Martha spends £5.45 on a teddy and £2.41 on a fridge magnet to remember her trip. How much change will she get if she pays with a £10.00 note?

(Look at the sneaky method on the help sheet from yesterday if you’re stuck).

2 step problem!

£5.45 + £2.41 = £7.86

£10.00 – £7.86 = £2.14

(The sneaky trick is to take 1 away from each number so do £9.99 – £7.85. You still get £2.14 but it is much easier to work out)

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Some of these questions will need you to do more than one calculation

1. Rebecca is an engineer at the Theme park. She’s ordering supplies for the repair work she’ll be doing next week. She needs 345m of track for the Hyper-Mega Coaster, 423m of track for the Zoomatron and 143m of track for the Chameleon Coaster. How much track does she need in total?

345m + 423m + 143m = 911m

1. The parts Rebecca orders cost £8542 in total. In her monthly repair budget, she has £12,453. How much money is left in her budget for this month?

£12453 – £8542 = £3911

1. Claudia is shopping in the gift shop. She buys a pencil sharpener for £1.25, a water bottle for £5.50 and a cuddly toy for £8.99. If she pays with £20.00, how much change will she get?

2 step problem

£8.99 + £5.50 + £1.25 = £15.74

£20.00 – £15.74 = £4.26

OR do £19.99 - £15.73 = £4.26. You get the same answer but without the tricky borrowing ☺

1. At the restaurant, Cole is preparing meals. In one hour, he makes 5 portions of fish and chips, 3 portions of burger and chips and 1 portion of five bean chilli. How many meals would he make in 6 hours?

This one is really a multiplication question

5 + 3 + 1 = 9 in one hour

9 x 6 = 54 meals

1. Coaster land has 1,206 5-star reviews on TripAdvisor. A rival park, DigiLand, has 743 more 5-star reviews.

(Work out DigiLand’s reviews first!)

Space Zone down the road has 342 fewer 5-star reviews than DigiLand. How many 5-star reviews has Space Zone got?

Multistep problem

1206 + 743 = 1949 This is DigiLand’s reviews

1949 – 342 = 1607 This is how many reviews Space Zone has. So the answer is 1607 reviews.

Challenge;

1. It costs £12.50 for a child’s ticket to the theme park and £15.60 for an adult. A family ticket costs £45.00 and it lets 2 adults and 2 children enter the theme park. How much money would you save by buying the family ticket?

£12.50 + £12.50 = £25.00

£15.60 + £15.60 = £31.20

£25.00 + £31.20 = £56.20

This is how much it would cost Without the family ticket.

Now do

£56.20 - £45.00 = £11.20 would be saved.

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Extra-Tricky Bonus Questions

These are hard, only do them if you felt confident with the questions you just did. They still can be done with just addition and subtraction though so don’t try doing long-division (which you won’t do until Year 5) or anything like that please!

1. An annual family ticket that lasts for a whole year is £154. A family ticket for 2 adults and 2 children that lasts only one day costs £45.

Julia and her family usually visit the park 4 times in a year, is it cheaper for them to buy a family ticket each time they visit or an annual family ticket?

Add £45 4 times

£45 + £45 + £45 + £45 = £180

Or do 45 x 4 = £180

You can see it costs more to buy separate tickets so the Annual Family Ticket is the cheapest option.

1. In February, Coaster Land made £2454 in the first week, £1523 in the second week, £8765 in the third week (which was half term) and £4321 in the fourth week. In March, they made £19,765. How much more money did they make in March than in February?

£8765 + £4321 + £2454 + £1523 = £17,063

£19765 – £17063 = £2702