



# Party Time!

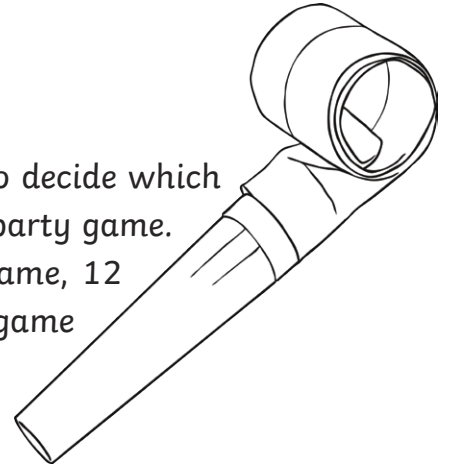
I can solve word problems involving all four operations.



Can you help me to plan my party?

## 1) Party Games

My friends are really excited about the party but I'm struggling to decide which games to play. I asked 48 of my friends to vote on their favourite party game. A quarter of them said that Pass the Parcel was their favourite game, 12 of them said Musical Chairs and the rest preferred Islands. Which game was the most popular?



First, circle or underline the important information.

Next, write the calculations you will need to do in order to answer the question:

- a) A quarter of 48 =  $48 \div \underline{\quad} = \underline{\quad}$
- b) Add 12 to the answer from a) and subtract this from 48 to find out how many preferred Islands.
- $12 + \underline{\quad} = \underline{\quad}$
- $48 - \underline{\quad} = \underline{\quad}$
- c)  $\underline{\quad}$  voted for Pass the Parcel.
- $\underline{\quad}$  voted for Musical Chairs.
- $\underline{\quad}$  voted for Islands.

Now answer the question: which game was the most popular?  $\underline{\hspace{2cm}}$





## 2) Entertainment

Which entertainer provides the best value for money for a two-hour slot?

The magician is £100 per hour.

The disco is £85 plus £25 for every half-hour required.

The clown is £65 for the first 30 minutes, then £35 for every additional 30 minutes.

First, circle or underline the important information.



Next, write the calculations you will need to do in order to answer the question:

a) For 2 hours, the magician would cost:

$$2 \times \text{£} \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

b) For 2 hours, the disco would cost:

$$\text{£}85 + (\text{£}25 \times 4) = \text{£}85 + \underline{\hspace{1cm}} = \underline{\hspace{1cm}}$$

c) For 2 hours, the clown would cost:

$$\underline{\hspace{1cm}} + \text{£}35 + \text{£}35 + \text{£}35 = \underline{\hspace{1cm}}$$

d) Now, answer the question:

The magician would cost            for 2 hours.

The disco would cost            for 2 hours.

The clown would cost            for 2 hours.

The                            is the best value (or cheapest) option for a 2-hour slot.

### Challenge Task

Which entertainer would be the cheapest over three-and-a-half hours?

Show your working out below:



# Party Time! Answers

Question	Answer
<b>1.</b>	Party Games
a	A quarter of 48 = $48 \div 4 = 12$
b	$12 + 12 = 24$ $48 - 24 = 24$
c	<b>12</b> voted for Pass the Parcel. <b>12</b> voted for Musical Chairs. <b>24</b> voted for Islands. Now, answer the question: which game was the most popular? <i>Islands</i>
<b>2.</b>	Entertainment
a	For 2 hours, the magician would cost: $2 \times \pounds 100 = \pounds 200$
b	For 2 hours, the disco would cost: $\pounds 85 + (\pounds 25 \times 4) = \pounds 85 + \pounds 100 = \pounds 185$
c	For 2 hours, the clown would cost: $\pounds 65 + \pounds 35 + \pounds 35 + \pounds 35 = \pounds 170$
d	Now, answer the question: The magician would cost <b>£200</b> for 2 hours. The disco would cost <b>£185</b> for 2 hours. The clown would cost <b>£170</b> for 2 hours. The <b>clown</b> is the best value (or cheapest) option for a 2-hour slot.
	Challenge Task
	Which entertainer would be the cheapest over three-and-a-half hours? <b>Magician:</b> $\pounds 100 + \pounds 100 + \pounds 100 + \pounds 50 = \pounds 350$ <b>Disco:</b> $\pounds 85 + (\pounds 25 \times 7) = \pounds 85 + \pounds 175 = \pounds 260$ <b>Clown:</b> $\pounds 65 + (\pounds 35 \times 6) = \pounds 65 + \pounds 210 = \pounds 275$ <i>The disco is cheaper over three-and-a-half hours.</i>



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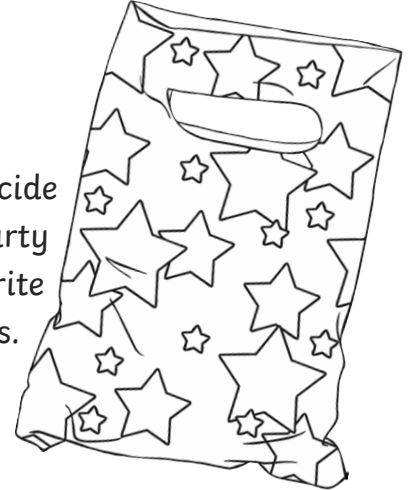
I can solve word problems involving all four operations.



Can you help me to plan my party?

## 1) Party Games

My friends are really excited about the party but I'm struggling to decide which games to play. I asked 84 children to vote for their favourite party game. A quarter of them said that Pass the Parcel was their favourite game, 16 of them said Musical Chairs and the rest preferred Islands. Which game was the most popular?



First, circle or underline the important information.

Next, write the calculations you will need to do in order to answer the question.

Use the space below to work out the answer:

\_\_\_ voted for Pass the Parcel.

\_\_\_ voted for Musical Chairs.

\_\_\_ voted for Islands.

Now answer the question: which game was the most popular? \_\_\_\_\_





## 2) Entertainment

Which entertainer provides the best value for money for a two-and-a-half-hour slot?

The magician is £98 per hour.

The disco is £85 plus £24 for every half-hour required.

The clown is £62 for the first 30 minutes, then £32 for every additional 30 minutes.

First, circle or underline the important information.



Next, write the calculations you will need to do in order to answer the question.

Use the space below to work out the answer:

The magician would cost \_\_\_\_\_ for  $2\frac{1}{2}$  hours.

The disco would cost \_\_\_\_\_ for  $2\frac{1}{2}$  hours.

The clown would cost \_\_\_\_\_ for  $2\frac{1}{2}$  hours.

The \_\_\_\_\_ is the best value (or cheapest) option for a  $2\frac{1}{2}$  hour slot.

### Challenge Task

Which entertainer would be the cheapest over four-and-a-half hours?

Show your working out below:



# Party Time! Answers

Question	Answer
1.	Party Games
	<p><b>21</b> voted for Pass the Parcel. <b>16</b> voted for Musical Chairs. <b>47</b> voted for Islands. Now, answer the question: which game was the most popular? <i>Islands</i></p>
2.	Entertainment
	<p>The magician would cost <math>£98 + £98 + 49 = £245</math> for <math>2\frac{1}{2}</math> hours. The disco would cost <math>£85 + (£24 \times 5) = £85 + £120 = £205</math> for <math>2\frac{1}{2}</math> hours. The clown would cost <math>£62 + (£32 \times 4) = £62 + £128 = £190</math> for <math>2\frac{1}{2}</math> hours. The <b>clown</b> is the best value (or cheapest) option for a <math>2\frac{1}{2}</math> hour slot.</p>
	Challenge Task
	<p>Which entertainer would be the cheapest over four-and-a-half hours? <b>Magician:</b> <math>£98 + £98 + £98 + £98 + £49 = £441</math> <b>Disco:</b> <math>£85 + (£24 \times 9) = £85 + £216 = £301</math> <b>Clown:</b> <math>£62 + (£32 \times 8) = £62 + £256 = £318</math> <i>The disco is cheaper over four-and-a-half hours.</i></p>



# Party Time!

I can solve word problems involving all four operations.



Can you help me to plan my party?

## 1) Party Games

My friends are really excited about the party but I'm struggling to decide which games to play. I asked 141 children to vote for their favourite party game. A third of them said that Pass the Parcel was their favourite game, 62 of them said Musical Chairs and the rest preferred Islands. Which game was the most popular?



Use the space below to work out the answer:

\_\_\_ voted for Pass the Parcel.

\_\_\_ voted for Musical Chairs.

\_\_\_ voted for Islands.

Check your work here by adding up the totals to check that they add up to 141.

Which game was the most popular? \_\_\_\_\_







## 2) Entertainment

Which entertainer provides the best value for money for a three-and-a-half-hour slot?

The magician is £120 per hour.

The disco is £92 plus £26 for every half-hour required.

The clown is £67 for the first 30 minutes, then £43 for every additional 30 minutes.



Use the space below to work out the answer:

The magician would cost \_\_\_\_\_ for  $3\frac{1}{2}$  hours.

The disco would cost \_\_\_\_\_ for  $3\frac{1}{2}$  hours.

The clown would cost \_\_\_\_\_ for  $3\frac{1}{2}$  hours.

The \_\_\_\_\_ is the best value (or cheapest) option for a  $3\frac{1}{2}$  hour slot.

## 3) Bunting

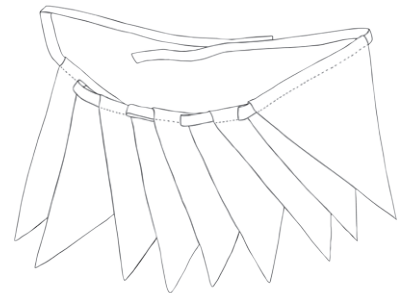
I'd like to decorate the room to make it a really special party.

If I need 6.5m of bunting, which is the best deal?

Bob's Bunting - £2.50 per half-metre

Beautiful Bunting Boutique - £5.50 per metre (1 metre free if you buy 5 metres or more)

Sara's Specials - £5.80 per metre. Special offer today: £8 off your total bill!







# Party Time! Answers

Question	Answer
1.	Party Games
	<p>47 voted for Pass the Parcel. 62 voted for Musical Chairs. 32 voted for Islands. Check your work here by adding up the totals to check that they add up to 141. <math>32 + 62 + 47 = 141</math> Which game was the most popular? <i>Musical Chairs</i></p>
2.	Entertainment
	<p>The magician would cost <math>£120 + £120 + £120 + £60 = £420</math> for <math>3\frac{1}{2}</math> hours. The disco would cost <math>£92 + (£26 \times 7) = £92 + £182 = £274</math> for <math>3\frac{1}{2}</math> hours. The clown would cost <math>£67 + (£43 \times 6) = £67 + £258 = £325</math> for <math>3\frac{1}{2}</math> hours. The <i>disco</i> is the best value (or cheapest) option for a <math>3\frac{1}{2}</math> hour slot.</p>
3.	Bunting
	<p>If I need 6.5m of bunting, which is the best deal? <i>Bob's Bunting</i>: <math>£2.50 \times 13 = £32.50</math> <i>Beautiful Bunting Boutique</i>: <math>£5.50 \times 5.5</math> (1 metre free) = <math>£30.25</math> <i>Sara's Specials</i>: <math>£5.80 \times 6.5 = £37.70</math> <math>£37.70 - £8 = £29.70</math> <i>Sara's Specials is the best deal.</i></p>