Theme Park Formula Treasure Hunt

In excel, what symbol do you use to:

Example: $\pm$ adds together

1. _____ takes away   2. _____ multiplies 3. _____ divides

	A	B	C	D	E	F	G	H	I
1	**Theme Park Additional Revenue Sources**								
2									
3	**Item**	**Capital Cost**	**Target sales**	**Cost per item**	**Total Supply cost**	**Total cost**	**Selling price**	**Revenue**	**Profit over summer**
4	Hot Dog Stand	£3,500	10,000	£0.10	£1,000.00	£4,500	£3	£30,000	£25,500
5	Ice Cream Trolley	£4,000	10,000	£0.30	£3,000.00	£7,000	£1	£10,000	£3,000
6	Souvenir Tent	£300	7,000	£2.00	£14,000.00	£14,300	£7	£49,000	£34,700
7	On-ride photo	£3,000	3,000	£0.30	£900.00	£3,900	£5	£15,000	£11,100
8								Total profit	£74,300
9									
10	Ice Cream Van	£50,000	20,000	£0.12	£2,400.00	£52,400	£2	£40,000	-£12,400
11	Souvenir Shop	£20,000	2,500	£2.50	£6,250.00	£26,250	£10	£25,000	-£1,250
12									
13									
14	**Long Term Revenue Source**								
15	Ice Cream Van capital cost over 3 yrs	£16,667							
16	Souvenir shop capital cost over 3 yrs	£6,667							

Capital Cost means the cost of buying something that you are going to keep.
Revenue means the money you get in from selling something

Where is each formula?

Example: Formula =E4+B4 is in cell <u>F4</u>

4. Formula =E5+B5 is in cell _____

5. Formula =D5*C5 is in cell _____

6. Formula =G6*C6 is in cell _____

7. Formula =SUM(I4:I7) is in cell _____

8. Formula =D10*C10 is in cell _____

9. Formula =B10/3 is in cell _____

10. Formula =H6-F6 is in cell _____   Total_____ / 10

Discuss: What else could they do to make more money?

Additional Tasks
- If students have computers then ask them to recreate the Spreadsheet
- Ask them how else they could make money for the themepark
- Ask them about why most capital items are costed over the 3 years (Could lead into a lesson about business ratios or capital expenditure)

Reducing Challenge
- For less able students allow them to work in groups
- Encourage students to work out what some of the formulae might be before attempting to answer the questions.
- Make it multiple choice

Multiple Choice Grid

I6	H6	E10	I8	E5	D15	F5

Answers

1 - takes away

2 * multiplies (Shift and 8)

3 / divides

4. =E5+B5 is in cell F5

5. =D5*C5 is in cell E5

6. =G6*C6 is in cell H6

7. =SUM(I4:I7) is in cell I8

8. =D10*C10 is in cell E10

9. =B10/3 is in cell D15

10. =H6-F6 is in cell I6

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