Mobile millions

Study the data in the tables and charts here and then answer the questions.

Table 1. Population and mobile phone activations

Country	Population (est. Jan 2008)	Active mobile phones in millions (Dec 2007)
Belgium	10,403,951	10.779
Finland	5,244,749	5.854
France	64,057,792	55.731
Germany	82,369,552	98.372
Ireland	4,156,119	5.4
Italy	58,145,320	87.351
Luxembourg	486,006	0.759
Sweden	9,045,389	10.212
United Kingdom	60,943,912	73.793

Chart 1. Children's use of mobile phones

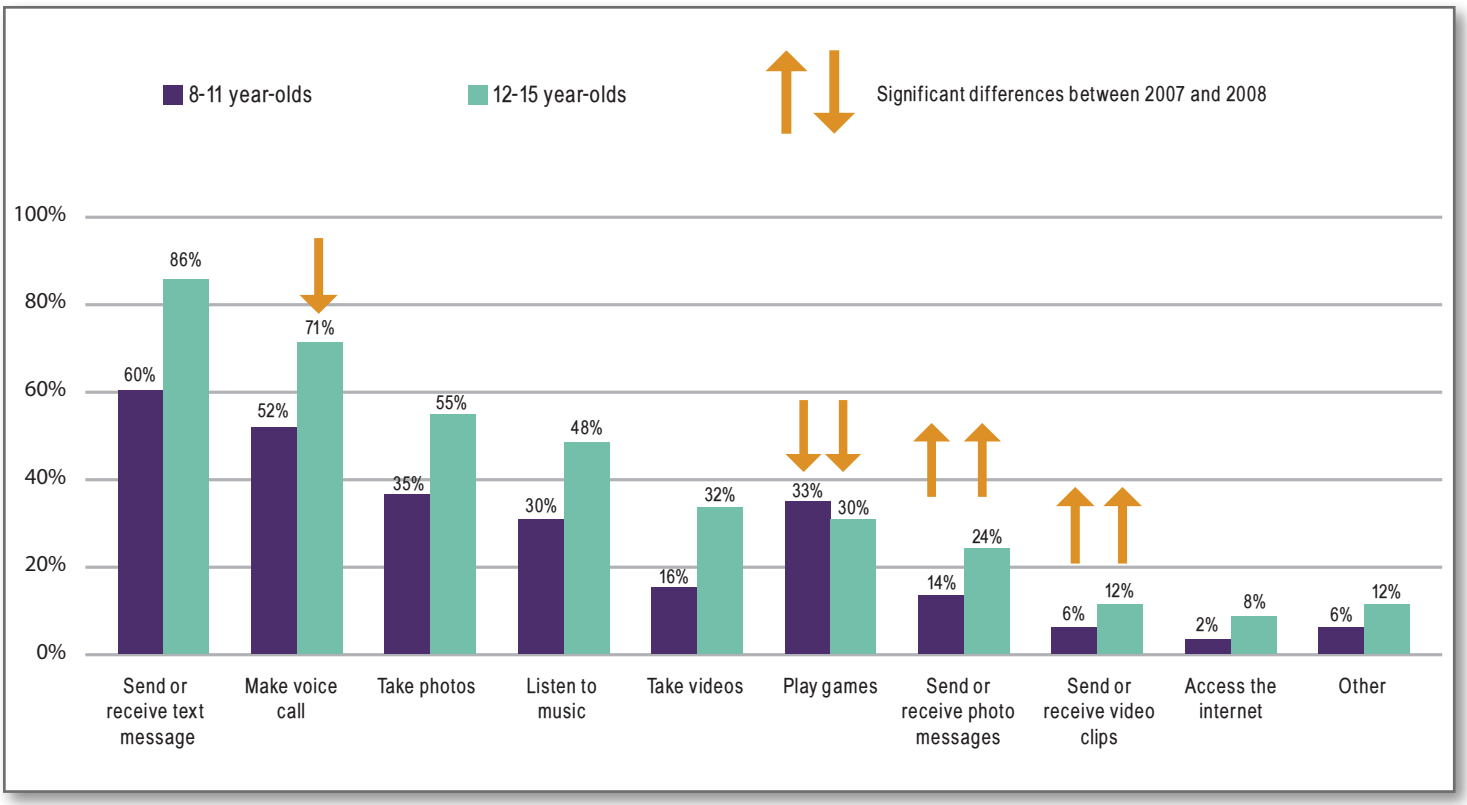

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Table 2. Smartphone comparisons

Phone	GPS	Weight (g)	Internal memory	Battery life (hours talk time)	Phone Size l x w x h (mm)	Diagonal screen size (cm)	Connection technology
iPhone 3G	Yes	133	16GB	5.5	115.5 x 62.1 x 12.3	3.5	3G
Nokia N95	Yes	128	8 GB	2.6	99 x 53 x 21	2.6	3G
Blackberry Curve 8310	Yes	111	64 MB	4	107 x 60 x 15.5	2.4	EDGE
Nokia 6500 Classic	No	94	920 MB	3.5	109.8 x 45 x 9.5	2	3G
Sony Ericsson K770i	No	95	16 MB	10	105 x 47 x 14	1.9	3G
LG Viewty	No	112	90 MB	3	104 x 54.4 x 15	3	3G
Samsung Omnia	Yes	120	8 GB	10	112 x 57 x 13	3.2	3G

1 a How many people live in Belgium?

b How many active mobile phones are there in:
i. Ireland?
ii. Sweden?

c What percentage of French people have a mobile phone?

d i. What percentage of people living in the UK have a mobile phone?
ii. What is surprising about the result for the UK?

2 a Which mobile phone in Table 2 has the largest internal memory?

b Which phone has the shortest battery life?

c How long is the iPhone?

3 a What percentage of 8-11 year-olds use their mobile phone to access the internet?

b Which of the age ranges in the survey are more likely to use their phones to:
i. Play games?
ii. Send text messages?

c Look at the data in Chart 1. How well does it reflect what you use your mobile phone for? Do you think the data is reliable? Give reasons for your answers.

4 a Draw a scatter graph to show the relationship between mobile phone weight and battery life.

b 'Heavier phones have bigger batteries and these give you more talk time'. Does your scatter graph support this idea? Give reasons for your answer.