

Worksheet

Comparisons - Using Numeracy to get a better deal **ANSWERS**

Mobile phone tariffs.

Gillan Telecom offering monthly charges of £15.00 per month for the following:
30 minutes free then 12p per phone call minutes thereafter.
1,000 free text messages then 2p per text message thereafter.
3 GB of free data then £1.50 per 1 GB thereafter.

Grabber Mobiles offering monthly charges of £20.00 per month for:
20 minutes free then 5p per phone call minutes thereafter.
1,500 free text messages then 12p per text message thereafter.
1 GB of free data then £1.50 per 1 GB thereafter.

1. If Janey was using the following number of minutes, messages and data in an average month:

35 minutes phone call minutes
1,430 text messages
2 GB of data

Would Gillan Telecom or Grabber Mobiles Int be cheapest for Janie?

ANSWER: Grabber Mobiles

How much cheaper compared to the alternative offering?

ANSWER:

Gillan Telecom would be £15 plus 60p calls £8.60 texts £0.00 data = £24.20

Grabber Mobiles would be £20 plus 75p calls £0.00 text £1.50 = £22.25

The answer is Grabber Mobiles cheaper by **£1.95** per month.

Worksheet

2. If Zainab was using the following number of minutes, messages and data in an average month:

55 minutes phone call minutes
915 text messages
2 GB of data

Would Gillan Telecom or Grabber Mobiles be cheapest for Zainab?

ANSWER: Gillan Telecom

How much cheaper compared to the alternative offering?

ANSWER:

Gillan Telecom would be £15 plus £3.00 calls £0.00 texts £0.00 data = £18.00

Grabber Mobiles would be £20 plus £1.75 calls £0.00 text £1.50 data = £23.25

The answer is Gillan Telecom cheaper by **£5.25** per month.

3. If Anita was using the following number of minutes, messages and data in an average month:

105 minutes phone call minutes
1,858 text messages
5 GB of data

Would Gillan Telecom or Grabber Mobiles be cheapest for Janie?

ANSWER: Gillan Telecom

How much cheaper compared to the alternative offering?

ANSWER:

Gillan Telecom would be £15 plus £9.00 calls £17.16 texts £3.00 data = £44.16

Grabber Mobiles would be £20 plus £4.25 calls £42.96 text £6.00 data = £73.21

The answer is Gillan Telecom cheaper by **£29.05** per month.