6   Work out the size of the angle w.

98°   diagram not
drawn accurately

143°

360°

66°

53   w 127
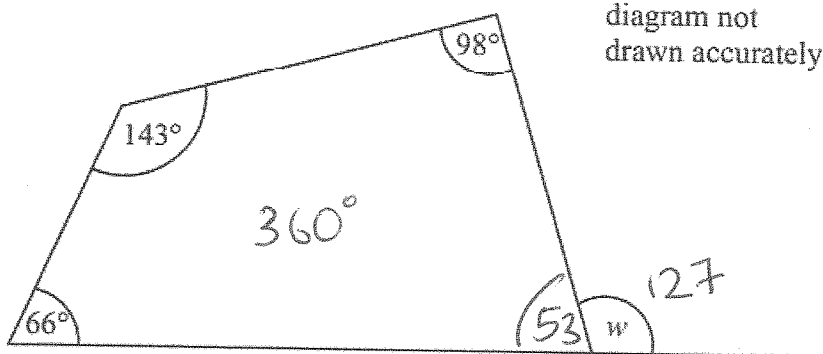
Angles in a quadrilateral add to 360°
360 - 66 - 143 - 98
= 53

180 - 53 = 127

Answer w = ___127___ ° [3]

16   Joanne is having a party. She needs forty⁴⁰ packets of crisps.
     A single packet of crisps costs 30 pence in each of two local stores.
     Each store has a special offer on packets of crisps.

Bargin Store
10 packets £3·00
save 20%
save 60p.
10 packets £2·40
40 packets £9·60

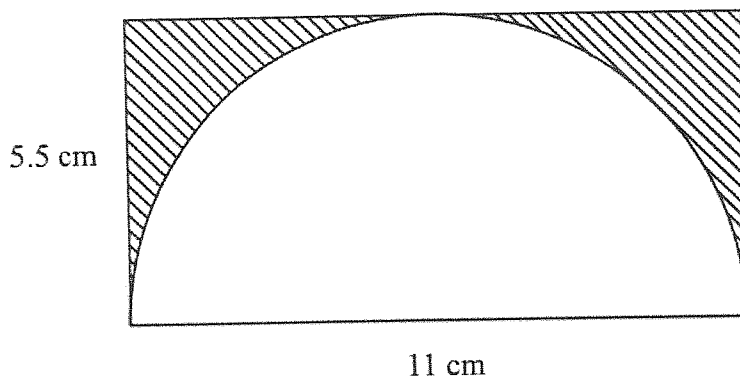| Bargain Store	Discount Store
20% off	buy 3 and get
every ten packets	one more free

Discount Store
Buy 30 get 10 free

30 × 0·30
£9·00

     Which is better value?

     Show your working clearly.

Discount Store £9·00 is best value.

25 The diagram shows a semicircle inside a rectangle.

Think "The Circle Song"

5.5 cm

11 cm

$A = \pi r^2$

$A = \pi \times 5.5^2$

$A = 95.03$

Work out the area of the shaded region.

Rectangle
11 × 5.5
60.5

semi
Area = 47.5

60.5 − 47.5

Answer _____13_____ cm² [3]

5 Sarah orders the following fruit and vegetables online from Maxi Market.

Complete Sarah's bill.

Keep everything in £

ITEM	PRICE	QUANTITY	COST
Grapes (punnet)	£2.15 or 2 for £4.00	2	4.00
Melon	£1.80 or 2 for £3.20	1	1.80
Red Chillies	65p or 2 for £1.00	1	0.65
Tomatoes (pack)	£1.00	1	1.00
Stir Fry Veg	£1.20 or 2 for £1.80	2	1.80
Potatoes (bag)	£2.25	1	2.25
		Total £	11.50 [5]

£