Stanground Academy

Mathematics Department

Year 9 Foundation

Home Learning Booklet – 6th July



ANSWERS

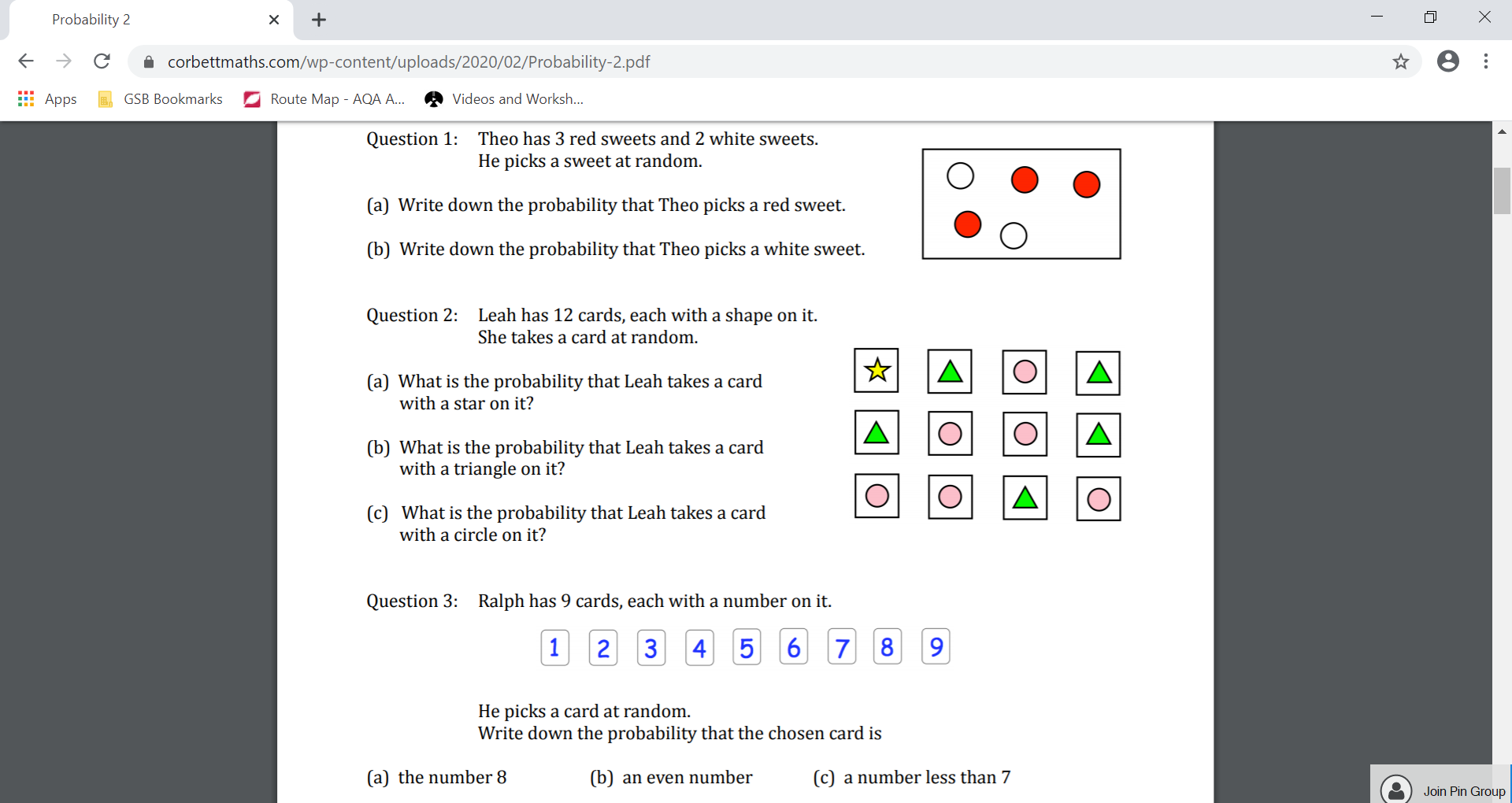
Student’s Name:....................................................

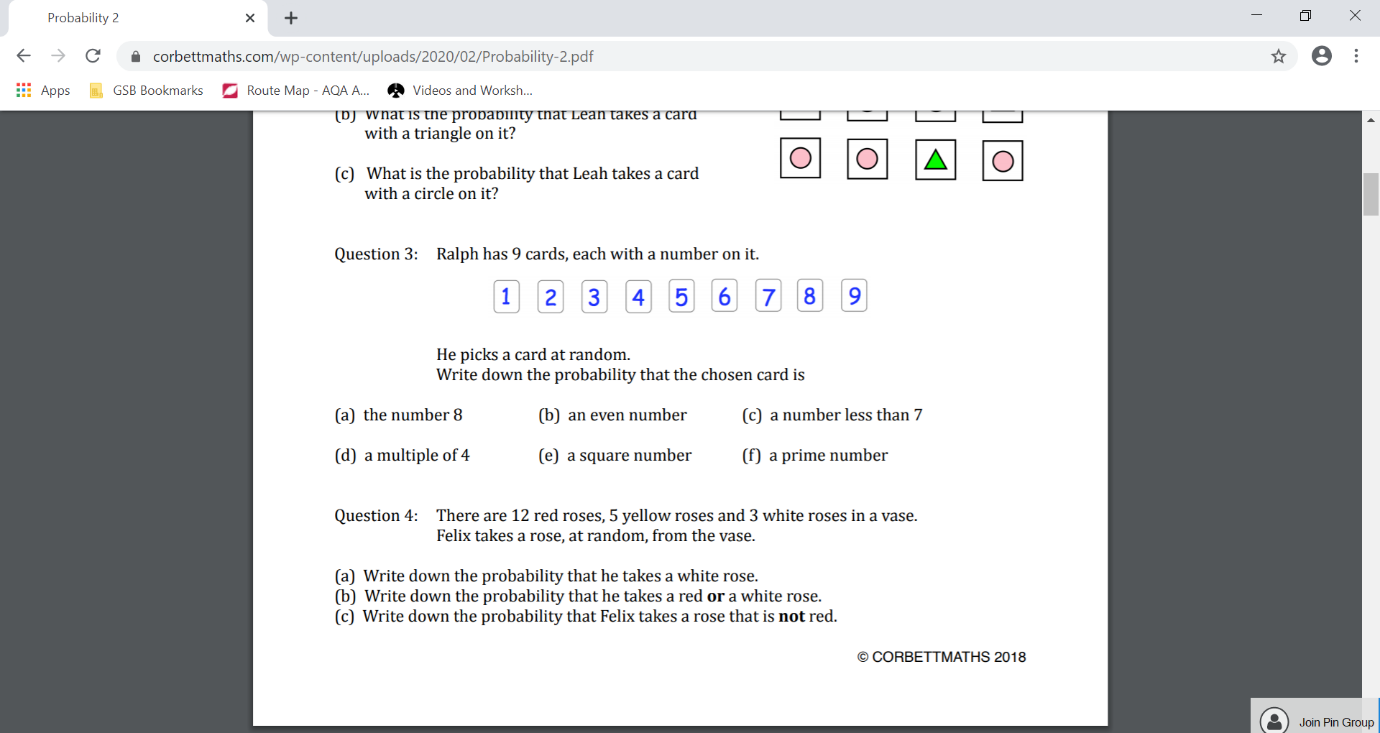
Teacher:.................................................

*Please Note; it is important to show your working out, if not you will not receive the marks.*

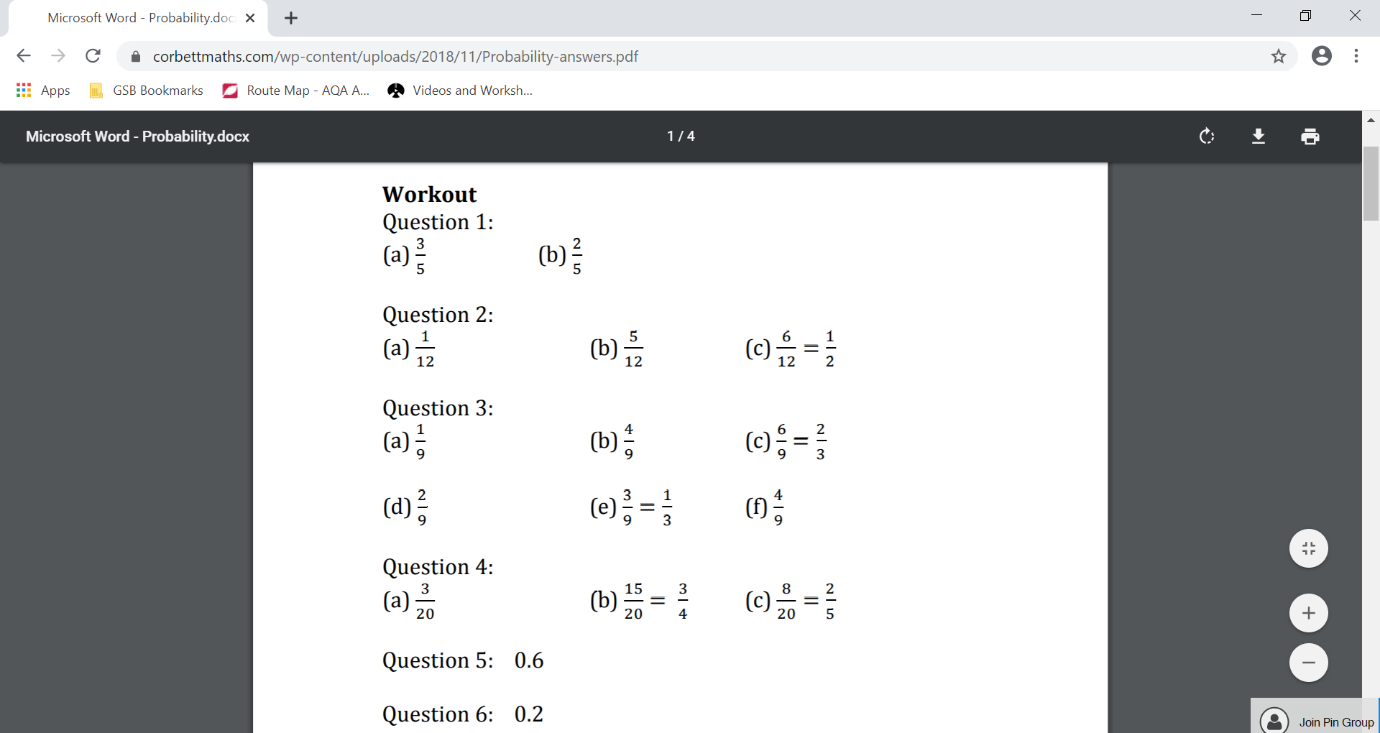
Probability

Watch the video and answer the questions:

<https://corbettmaths.com/2013/06/15/probability/>



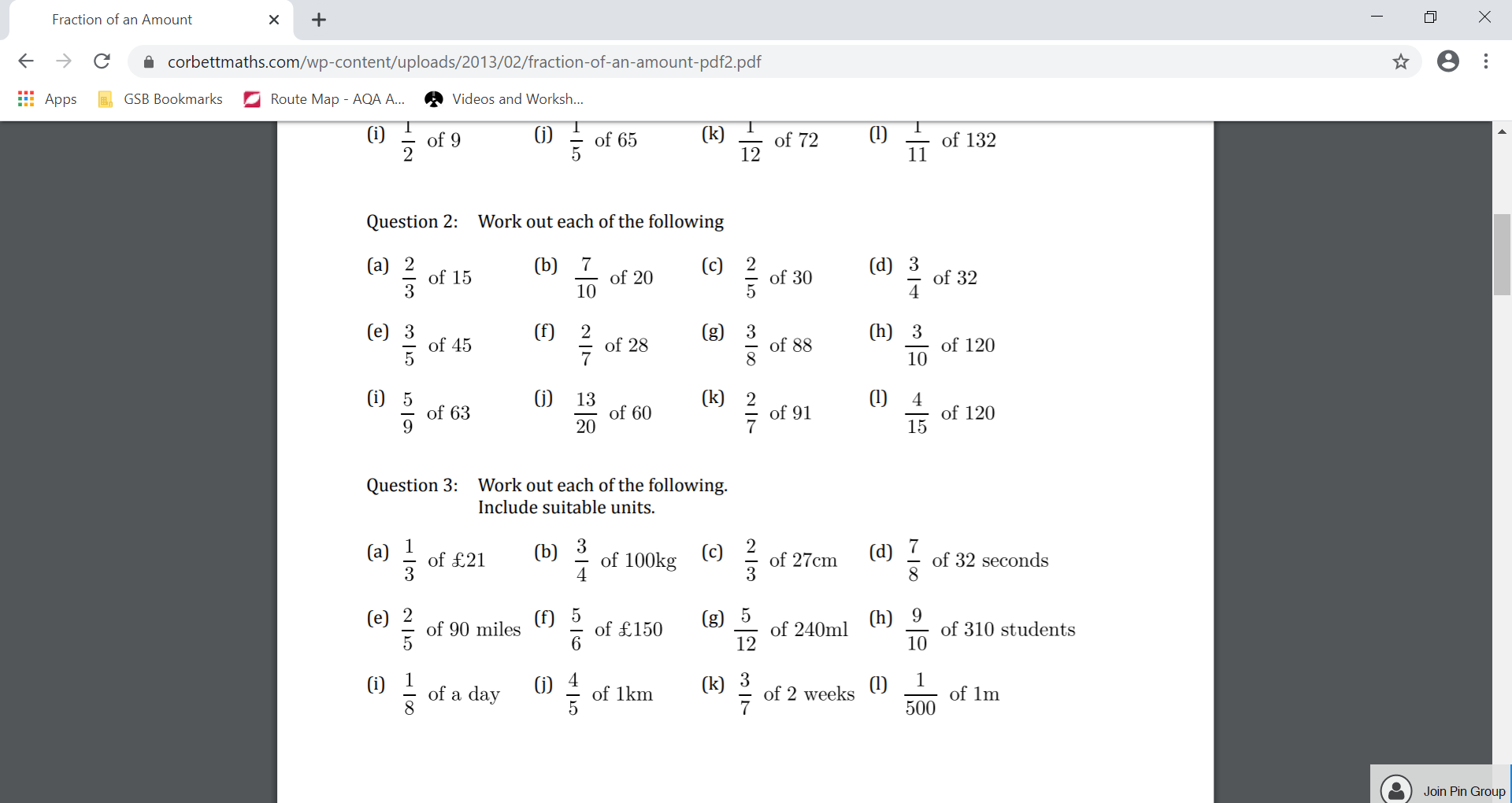
Answers for Probability



Fractions of an Amount

Watch the video and answer the questions:

<https://corbettmaths.com/2012/08/20/fractions-of-amounts/>



**Question 2: (a) 10 (b) 14 (c) 12 (d) 24**

**(e) 27 (f) 8 (g) 33 (h) 36**

**(i) 35 (j) 39 (k) 26 (l) 32**

**Question 3: (a) £7 (b) 75kg (c) 18cm (d) 28 seconds**

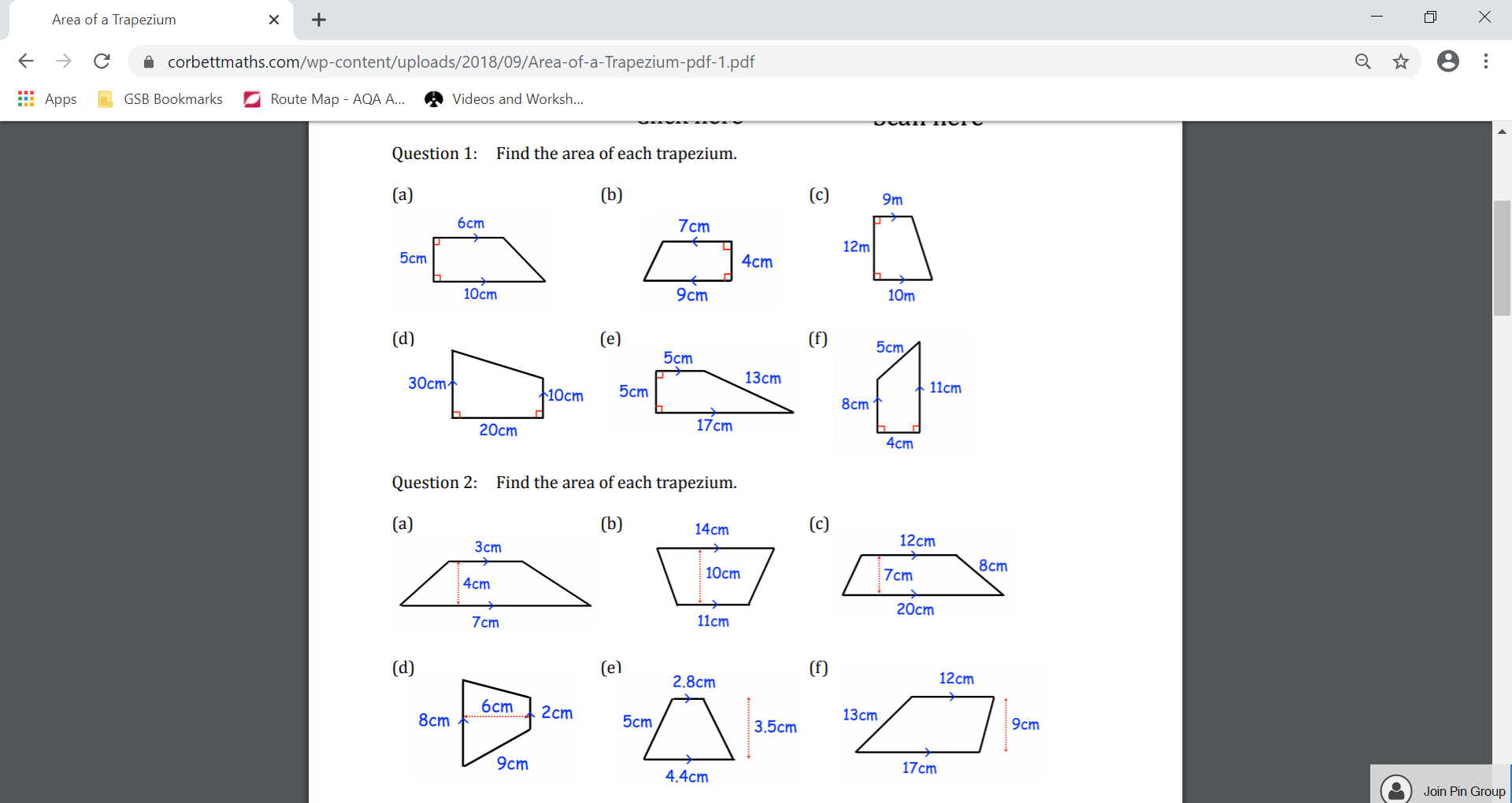
**(e) 36 miles (f) £125 (g) 100ml (h) 279 students**

**(i) 3 hours (j) 800m (k) 6 days (l) 2mm**

Area of a trapezium

Watch the video and answer the questions:

<https://corbettmaths.com/2012/08/02/area-of-a-trapezium-video/>



**Answers**

**Question 1: a) b) c) d) e) f)**

**Questions 2: a) b) c) d) e) f)**

Circumference and area of Circles

Watch the video and answer the questions:

<https://corbettmaths.com/2013/12/22/area-of-a-circle-video-40-and-59/> and <https://corbettmaths.com/2013/12/21/circumference-video-60/>

For each of the following circles work out both the area and the circumference. (use 3.14 as ). Write down all of the decimal places shown on your calculator. Remember to add the appropriate unit to your answers.

100cm

20cm

10cm

12cm

12cm

5cm

2cm

4cm

7cm

7cm

9cm

8cm

3cm

5cm

4cm

16)

15)

14)

13)

10)

11)

12)

9)

2)

3)

4)

1)

6)

8)

7)

5)

11cm

**Answers**

1. Area = Circumference = 25.12cm
2. Area = 78.5 Circumference = 31.4cm
3. Area = 200.96 Circumference = 50.24cm
4. Area = 28.26 Circumference = 18.84cm3
5. Area = 3.14 Circumference = 6.28cm
6. Area = Circumference = 12.56cm
7. Area = Circumference = 21.98cm
8. Area = Circumference = 37.68cm
9. Area = Circumference = 43.96cm
10. Area = Circumference = 56.52cm
11. Area = 379.94 Circumference = 69.08cm
12. Area = 452.16 Circumference = 75.36cm
13. Area = Circumference = 31.4cm
14. Area = Circumference = 62.8cm
15. Area = Circumference = 15.7cm
16. Area = Circumference = 314cm