# Diamond Maths

Amazing Fact

The Cullinan Diamond is perhaps the most famous diamond in the world. When it was found, it weighed 620 grams. It was cut into nine large stones and ninety-six smaller stones. It was given as a gift to Edward VII, and the largest stone, the Star of Africa, was set into the sceptre, which forms part of the Crown Jewels.

Diamonds are also often used in mathematics to demonstrate the relationship between numbers.

Complete the diamond maths puzzles below. The number at the top of the diamond is the product of the two numbers in the middle and the number at the bottom of the diamond is the sum of the two numbers in the middle. The first one has been done for you.
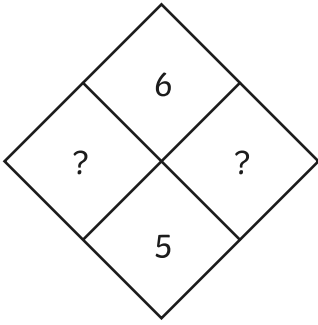
Challenge

Could you create your own diamond problems for your friends?
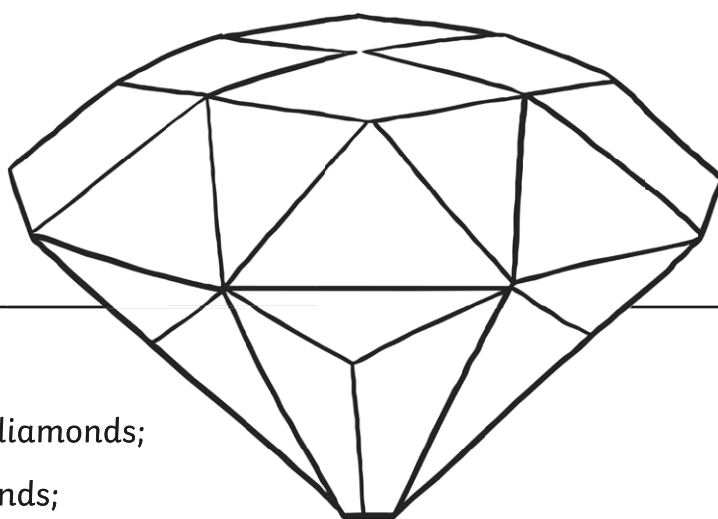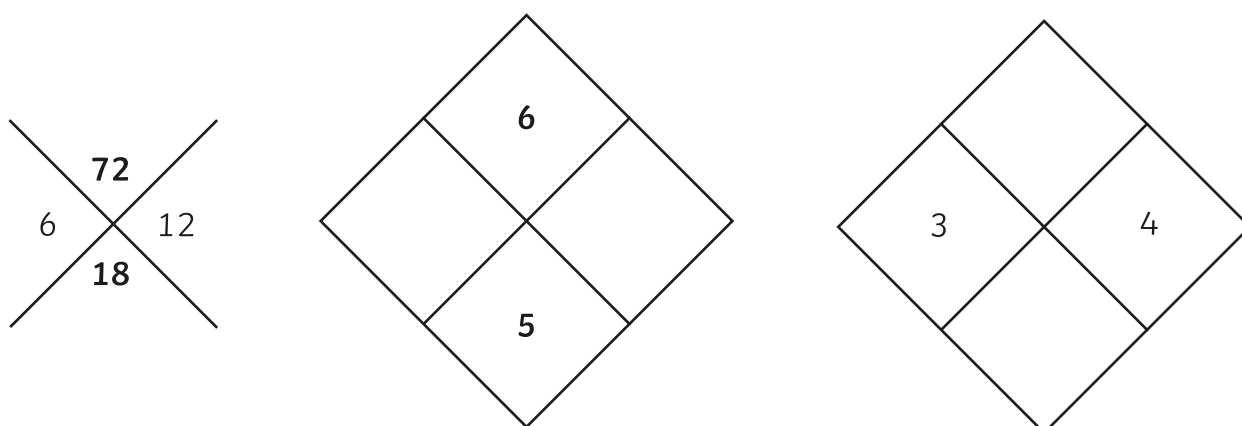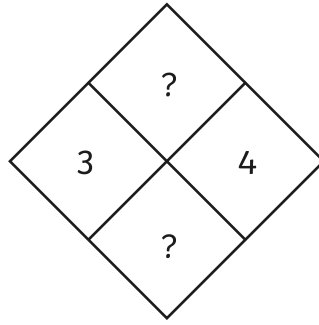
You could also try to find out:

- what carat means when referring to diamonds;
- which country mines the most diamonds;
- where scientists think diamonds could be found in space;
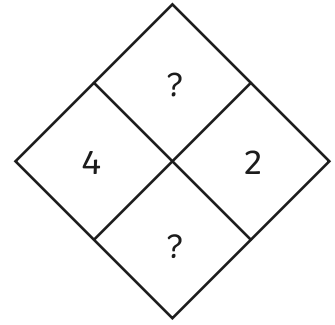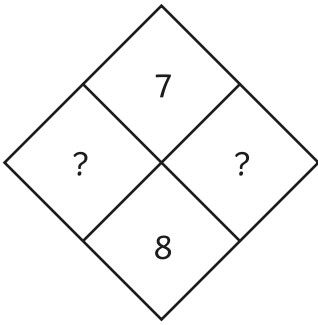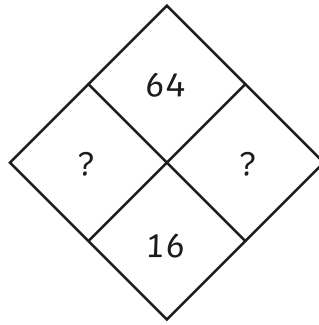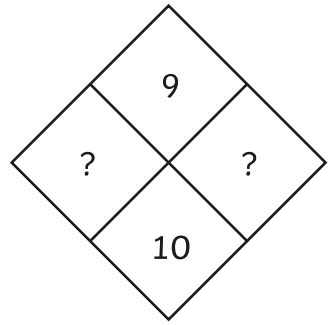- how much the Cullinan Diamond would have been worth if it has been sold.

twinkl

1.

6
? ?
5

2.

?
3 4
?

3.

?
4 2
?

4.

7
? ?
8

5.

64
? ?
16

6.

9
? ?
10

7.

49
? ?
14

8.

81
? ?
18

9.

?
4 7
?

10.

14
? ?
9

11.

21
7 ?
?

12.

42
? ?
13

13.

24
6 ?
?

14.

100
5 ?
?

15.

250
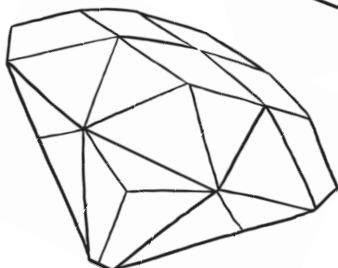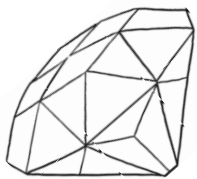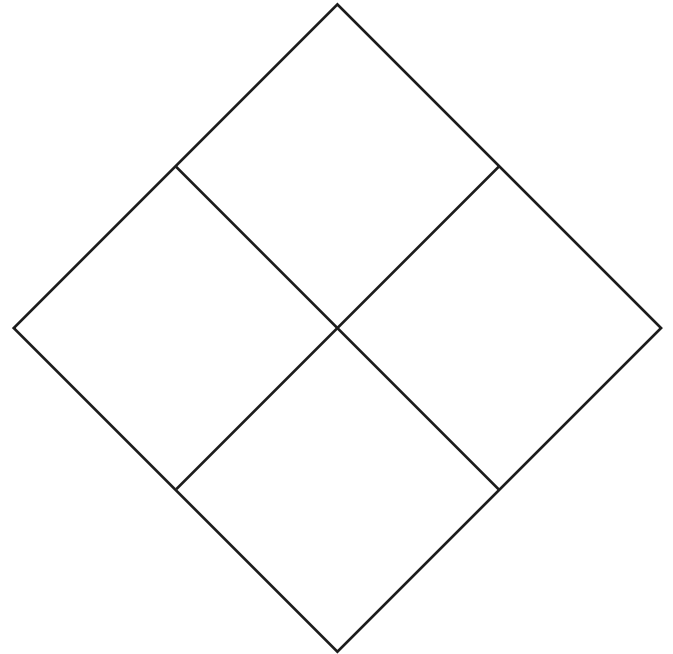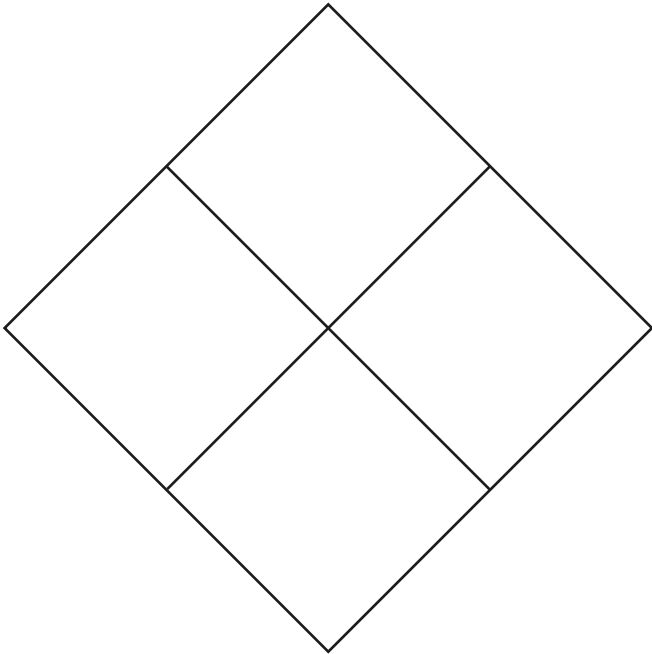10 ?
?
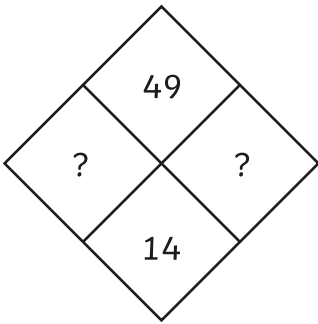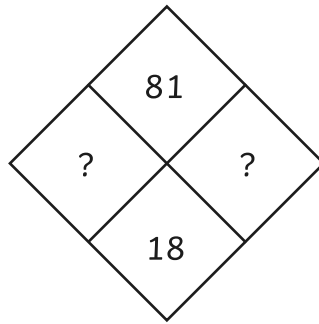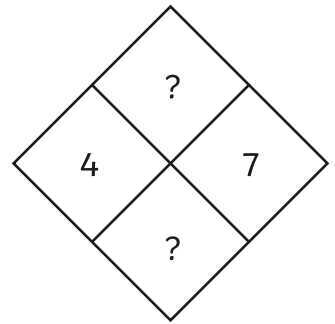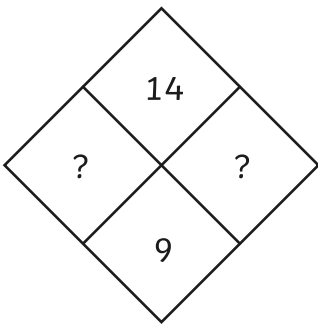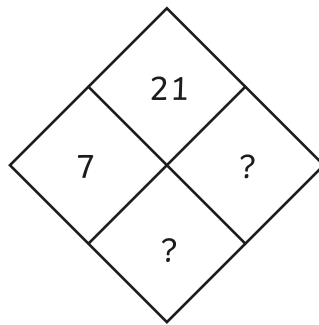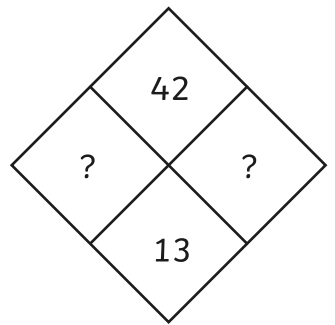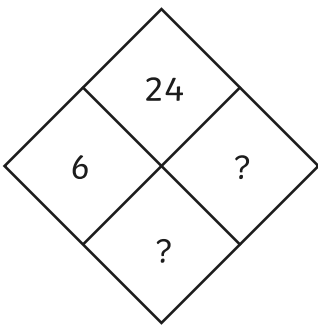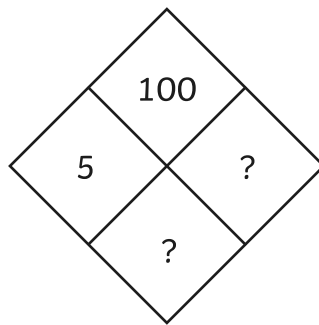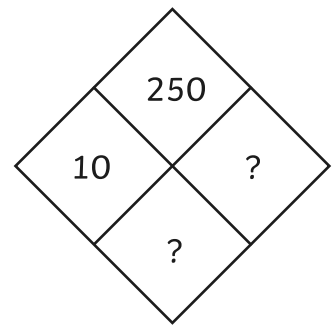
Diamond Maths

Challenge

Could you create your own diamond problems for your friends?
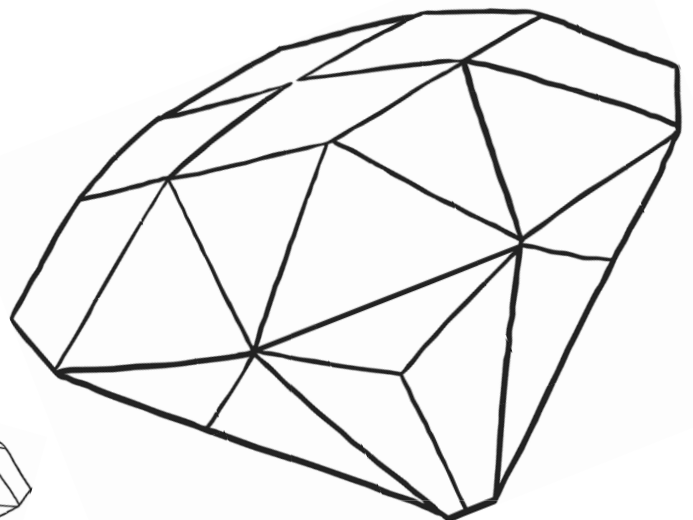
Answer sheet

1. 2, 3

2. 12 (top), 7 (bottom)

3. 8 (top), 6 (bottom)

4. 1, 7

5. 8, 8

6. 1, 9

7. 7, 7

9. 9, 9

9. 28 (top),11 (bottom)

10. 7, 2

11. 3 (middle), 10 (bottom)

12. 6,7

13. 4 (middle), 10 (bottom)

14. 20 (middle), 25 (bottom)

15. 25 (middle), 35 (bottom)