

Year 7 – Set One

Name Date

1

What is the missing number?

$$9 \times 7 = 3 \times \boxed{}$$

2

82, 8.2, 8^2 , (8×2)

Which of the lists below shows this set of numbers arranged in order from **smallest to biggest**?

- 8.2, (8×2) , 82, 8^2
- 8.2, 8^2 , (8×2) , 82
- 82, 8^2 , (8×2) , 8.2
- 8.2, (8×2) , 8^2 , 82

3

One day at White Cliffs, the maximum daytime temperature was 46°C .
The overnight minimum was 57°C colder than the maximum had been.

What was White Cliffs' overnight minimum temperature?

- | | | | |
|-----------------------|-----------------------|-----------------------|-----------------------|
| -11°C | -9°C | 9°C | 11°C |
| <input type="radio"/> | <input type="radio"/> | <input type="radio"/> | <input type="radio"/> |

4

Write a fraction equal to $\frac{2}{3}$ which uses the digit "8" at least once.

5

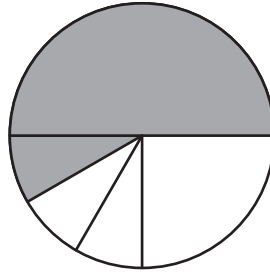
For every 10 white cars a car dealer sells, he sells 7 silver, 6 blue, 5 red, 4 yellow, 3 green, 2 black, 2 purple cars and 1 brown car.
In 2008, his car yard sold 120 cars.

How many blue cars were sold?

- 9 12 18 20
-

6

What fraction of this circle is shaded?



- $\frac{2}{5}$ $\frac{2}{3}$ $\frac{7}{12}$ $\frac{3}{5}$
-

7

Hero Cards come in packs of six.
Max wins eight packs of Hero Cards, which he opens.
He decides to give as many of his friends as he can nine of these cards each.

How many cards are left over after he does this?

- none 3 5 6
-

8

What is the answer to $2.8 \div 0.04$?

- 70 7 0.7 0.07
-