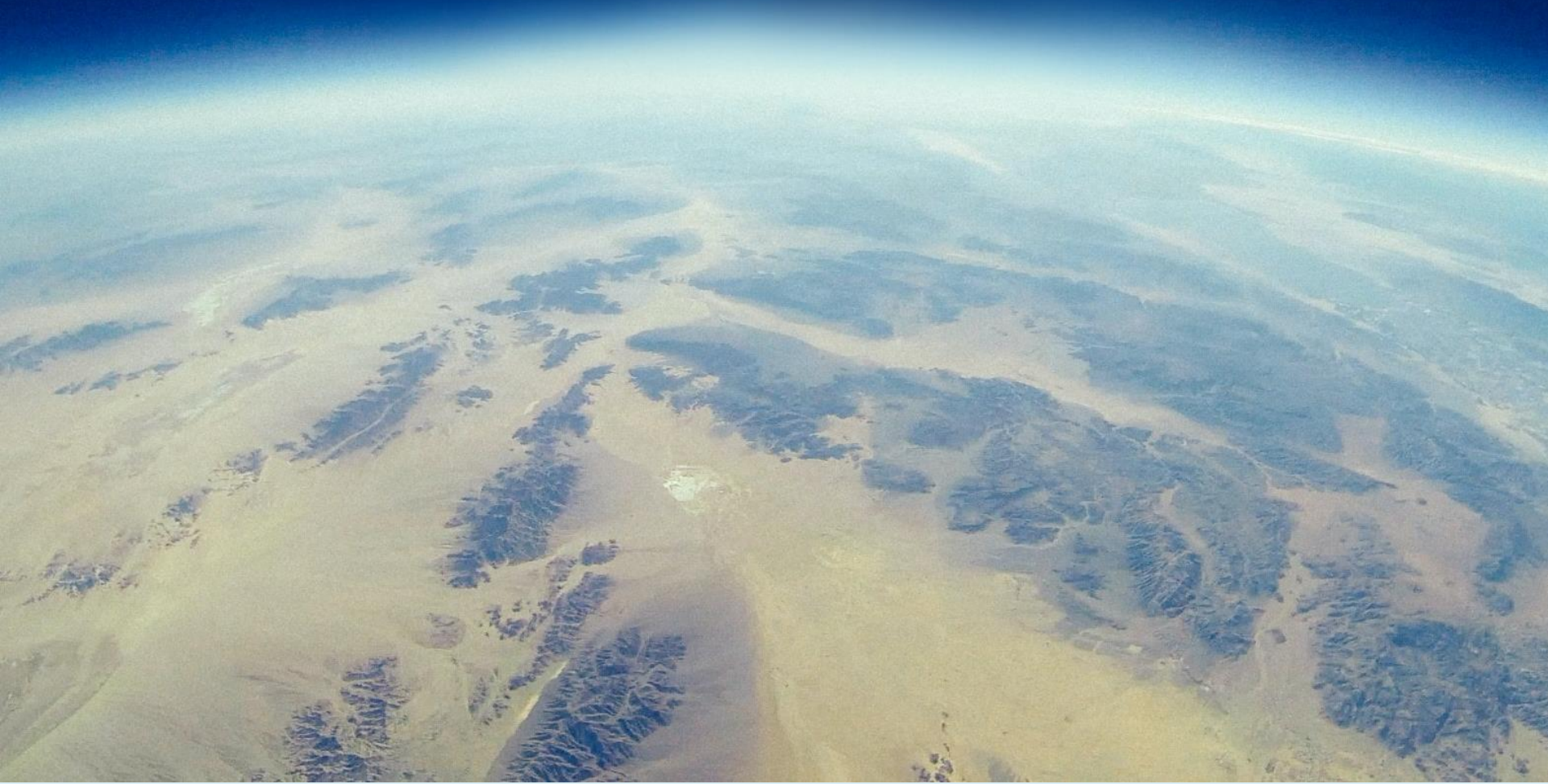


Stratosphere



Section One

Times tables

Key skills

Fluency

Fraction of...

Section Two

Number line

Problem solving

Exam question

Formula

Times tables

[Back](#) [Next](#)

1

$6 \times 5 =$

2

$8 \times 4 =$

3

$3 \times 7 =$

4

$5 \times 12 =$

5

$10 \times 8 =$

6

$17 \times 3 =$

7

$15 \times 5 =$

8

$25 \times 8 =$

9

$20 \times 7 =$

10

$3 \times 70 =$

11

$40 \times 20 =$

12

$35 \times 4 =$

13

$45 \times 4 =$

14

$8 \times 8 =$

15

$50 \times 9 =$

1 $10\,582 + 9\,751 =$

2 $10\,691 - 7\,329 =$

3 *Write 0.124 as a fraction.*

1 $2 \times 7 \times 2 \times 5 =$

2 $5\,675 + 999 =$

3 $5\,675 - 999 =$

4 $40 \times 39 =$

5 $0.8 \times 0.7 =$

6 $65^2 =$

7 $360 \div 5 =$

8 $6\% \text{ of } 400 =$

9 $38\% \text{ of } 50 =$

10 $3.8 \times 5 =$

Fraction of...

[Back](#) [Next](#)

1

$$\frac{1}{2} \text{ of } 40 =$$

2

$$\frac{1}{2} \times 70 =$$

3

$$\frac{1}{2} \text{ of } 7 =$$

4

$$\frac{1}{3} \text{ of } 60 =$$

5

$$\frac{1}{5} \times 40 =$$

6

$$\frac{1}{2} \text{ of } 48 =$$

7

$$\frac{1}{3} \times 72 =$$

8

$$\frac{1}{4} \times 116 =$$

9

$$\frac{1}{5} \text{ of } 135 =$$

10

$$\frac{1}{6} \times 96 =$$

11

$$\frac{2}{3} \times 144 =$$

12

$$\frac{2}{5} \text{ of } 6.5 =$$

13

$$\frac{2}{3} \text{ of } \frac{2}{5} =$$

14

$$\frac{5}{9} \times 63 =$$

15

$$\frac{1}{35} \times \frac{1}{35} =$$

Reflect on the first section.

WWW:

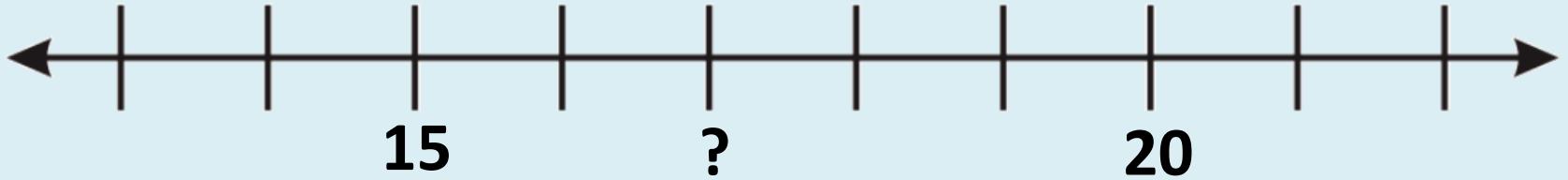
EBI:

Number line

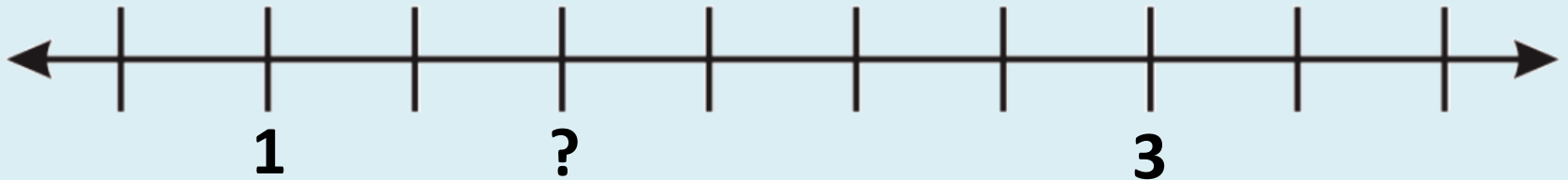
[Back](#) [Next](#)

What is the marked unknown number on the number line?

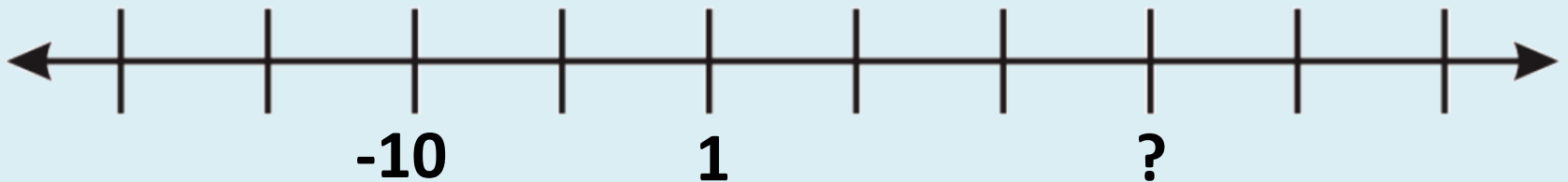
A



B



C



- 1 In this partly completed pyramid, each rectangle is to be filled with the sum of the two numbers in the rectangles immediately below it. What number should replace x ?

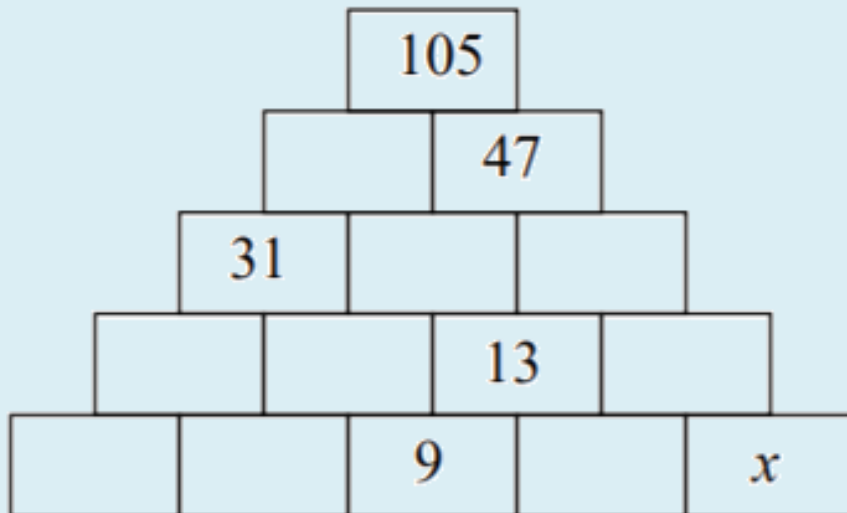
A 3

B 4

C 5

D 7

E 12



2

Harry delivers newspapers in Long street. He must deliver a paper to every house with an odd house number. If the first house is number 15 and the last is number 53, to how many houses does Harry deliver?

A

19

B

20

C

27

D

38

E

53

3

My fruit basket contains apples and oranges.

The ratio of apples to oranges in the basket is $3 : 8$.

When I remove one apple the ratio changes to $1 : 3$.

How many oranges are in the basket?

1 Sean works for a company.

His normal rate of pay is £12 per hour.

When Sean works more than 8 hours a day, he is paid overtime for each hour he works more than 8 hours.

Sean's rate of overtime pay per hour is $1\frac{1}{4}$ times his normal rate of pay per hour.

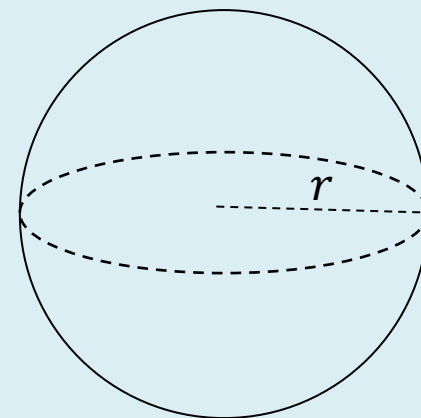
On Monday Sean worked for 10 hours.

Work out the total amount of money Sean earned on Monday.

(4 marks)



$$\text{Volume of a sphere} = \frac{4}{3}\pi r^3$$



1 Calculate the volume of a sphere with a radius of 3cm.

2 Calculate the volume of a sphere with a radius of 6cm.

3 A sphere has a volume of 1000cm^3 , calculate the radius.

4 Calculate the volume of a hemisphere with a radius of 8cm.

5 The radius of a sphere is doubled, what happens to the volume of the sphere?

6 What is the radius of a sphere with a volume of 1m^3 ?

Give you answer in cm.

Well done for completing the lesson.



Reflection

A large, empty white rectangular box with rounded corners and a black border, intended for students to write their reflections.