Year 6 Spring 1 Maths Activity Mat 4

Section 1

At 6am the temperature is -5°C. At 7pm the previous evening, the temperature was 11°C warmer. What was the temperature at 7pm?

Section 2

Calculate in your head:

42 + 35 =

37 + 29 =

67 – 44 =

93 – 56 =

Section 3

Calculate:

3× (6-4) =

4 + 7× 3 =

(5 + 11) ÷ 4 =

Section 4

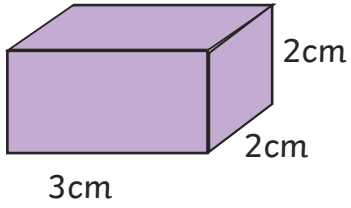
Write three fractions equivalent to $\frac{1}{2}$.

Section 5

Enoch has 376 stamps in his stamp book and 75 to be stuck in the book. How many stamps has he altogether rounded to the nearest hundred.

Section 6

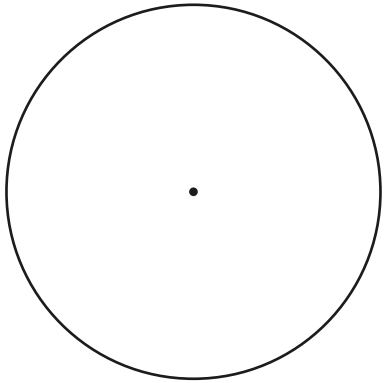
Calculate the volume of this cuboid.



*not to scale

Section 7

Draw the diameter of this circle.



Section 8

Find the mean of these numbers:

2, 10, 7, 13

Year 6 Spring 1 Maths Activity Mat 4 - Answers

Section 1

At 6am the temperature is -5°C. At 7pm the previous evening, the temperature was 11°C warmer. What was the temperature at 7pm?

6°C

Section 2

Calculate in your head:

42 + 35 = 77

37 + 29 = 66

67 – 44 = 23

93 – 56 = 37

Section 3

Calculate:

3× (6-4) = 6

4 + 7× 3 = 25

(5 + 11) ÷ 4 = 4

Section 4

Write three fractions equivalent to $\frac{1}{2}$.

Various answers, such as:

$\frac{2}{4}$ $\frac{3}{6}$

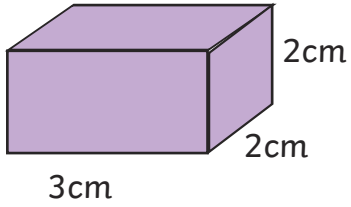
Section 5

Enoch has 376 stamps in his stamp book and 75 to be stuck in the book. How many stamps has he altogether rounded to the nearest hundred.

500

Section 6

Calculate the volume of this cuboid.

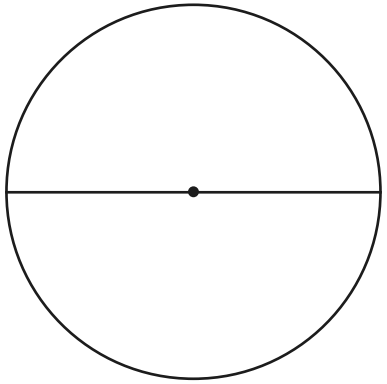


*not to scale

$12cm^3$

Section 7

Draw the diameter of this circle.



Section 8

Find the mean of these numbers:

2, 10, 7, 13

8

Year 6 Spring 1 Maths Activity Mat 4

Section 1

At 8pm, the temperature is -1°C. At midday, the temperature had been 9°C warmer. At 6am, the temperature had been 12°C colder than it was at midday. What was the temperature at 6am?

Section 2

Calculate in your head:

562 + 223 =

701 + 126 =

478 – 261 =

309 – 92 =

Section 3

Calculate:

12× (6 + 5) =

9 + 6×7 =

(26 + 9) ÷ 7 =

Section 4

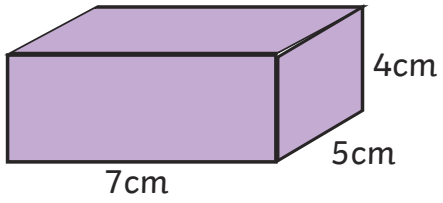
Write three fractions equivalent to $\frac{5}{8}$.

Section 5

Ella has 758 stamps in her stamp book, a further 67 to be stuck in, and is given another 178 by her grandfather. How many stamps does she have now, rounded to the nearest hundred?

Section 6

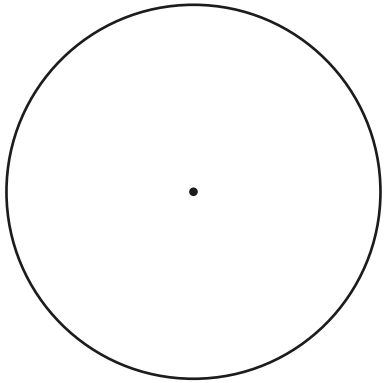
Calculate the volume of this cuboid.



*not to scale

Section 7

Draw and label the radius and the diameter of this circle.



Section 8

Find the mean of these numbers:

5, 18, 24, 13, 20

Year 6 Spring 1 Maths Activity Mat 4 - Answers

Section 1

At 8pm, the temperature is -1°C. At midday, the temperature had been

9°C warmer. At 6am, the temperature had been 12°C colder than it was at midday. What was the temperature at 6am?

-4°C

Section 2

Calculate in your head:

562 + 223 = 785

701 + 126 = 827

478 – 261 = 217

309 – 92 = 217

Section 3

Calculate:

12× (6 + 5) = 132

9 + 6×7 = 51

(26 + 9) ÷ 7 = 5

Section 4

Write three fractions equivalent to $\frac{5}{8}$.

Various answers such as,

$\frac{10}{16}$ $\frac{15}{24}$

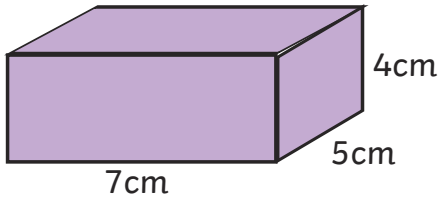
Section 5

Ella has 758 stamps in her stamp book, a further 67 to be stuck in, and is given another 178 by her grandfather. How many stamps does she have now, rounded to the nearest hundred?

1000

Section 6

Calculate the volume of this cuboid.

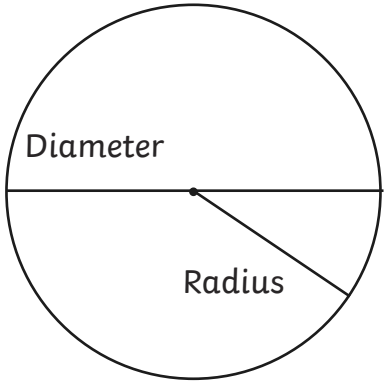


*not to scale

140cm^3

Section 7

Draw and label the radius and the diameter of this circle.



Section 8

Find the mean of these numbers:

5, 18, 24, 13, 20

16

Year 6 Spring 1 Maths Activity Mat 4

Section 1

The gas nitrogen liquefies at -196°C and freezes at -210°C. What is the difference between these temperatures?

Section 2

Calculate in your head:

461 + 237 + 84 =

450 + 287 + 163 =

692 – 461 =

792 – (129 + 41) =

Section 3

Calculate:

12 × (☐ – 9) = 84

36 + ☐ × 9 = 108

(12 + 9) ÷ ☐ = 3

Section 4

Calculate the decimal equivalent of $\frac{1}{12}$.

Section 5

George and Emily each have a collection of stamps. They decide to put their collections together. George has 583 in his book and Emily has 492. They have 23 and 89 respectively to stick in the books. They also buy some stamps at a fair. They now have 1200 stamps, rounded to the nearest 100. What is the most number of stamps they could have bought at the fair?

Section 6

Write the dimensions of five cuboids with a volume of $24cm^3$, where the edges are all whole centimetres.

Section 7

Draw a circle. Draw and label the circumference and diameter.

Section 8

One number is missing from this set of numbers, but the mean is 18. What number is missing?

3, 19, 15, 28, ... ?

Year 6 Spring 1 Maths Activity Mat 4 - Answers

Section 1

The gas nitrogen liquefies at -196°C and freezes at -210°C. What is the difference between these temperatures?

14°C

Section 2

Calculate in your head:

461 + 237 + 84 = 782

450 + 287 + 163 = 900

692 – 461 = 231

792 – (129 + 41) = 622

Section 3

Calculate:

12 × (16 – 9) = 84

36 + 8 × 9 = 108

(12 + 9) ÷ 7 = 3

Section 4

Calculate the decimal equivalent of $\frac{1}{12}$.

0.083 or 0.0833

Section 5

George and Emily each have a collection of stamps. They decide to put their collections together. George has 583 in his book and Emily has 492. They have 23 and 89 respectively to stick in the books. They also buy some stamps at a fair. They now have 1200 stamps, rounded to the nearest 100. What is the most number of stamps they could have bought at the fair?

62 stamps making a maximum of 1249

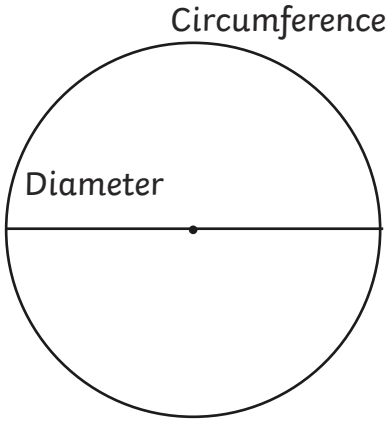
Section 6

Write the dimensions of five cuboids with a volume of 24cm^3, where the edges are all whole centimetres.

24 × 1 × 1, 12 × 2 × 1,
6 × 4 × 1, 6 × 2 × 2,
8 × 3 × 1

Section 7

Draw a circle. Draw and label the circumference and diameter.



Section 8

One number is missing from this set of numbers, but the mean is 18. What number is missing?

3, 19, 15, 28, ... ?

25