

# Year 6 Maths Activity Mat

## Section 1

At 8pm, the temperature is 6°C. By 6am the following morning, the temperature is 10°C colder. What is the temperature at 6am?

## Section 2

Calculate in your head:

$23 + 56 =$

$46 + 28 =$

$73 - 32 =$

$81 - 17 =$

## Section 3

Calculate:

$2 \times (4 + 5) =$

$6 + (5 \times 2) =$

$(5 + 11) \div 2 =$

## Section 4

Circle any fraction and decimal equivalent to  $\frac{1}{2}$ .

0.2

$\frac{4}{8}$

0.5

$\frac{2}{10}$

$\frac{3}{6}$

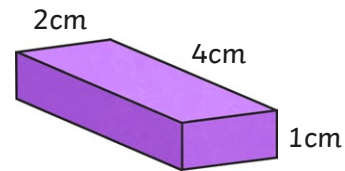
$\frac{12}{20}$

## Section 5

James has £3.67 in his money jar and 89p in his pocket. How much money has he altogether rounded to the nearest pound?

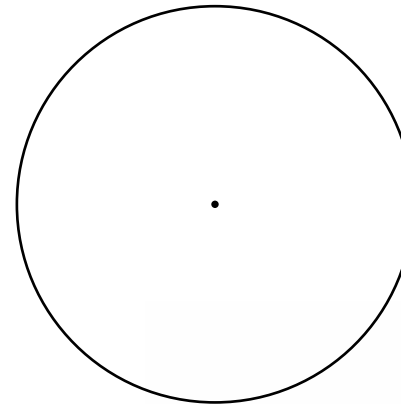
## Section 6

Calculate the volume of this cuboid:



## Section 7

Draw the radius of this circle:



## Section 8

Find the mean of these numbers:

6

5

9

4

## Year 6 Maths Activity Mat: 4

### Answers

#### Section 1

At 8pm, the temperature is  $6^{\circ}\text{C}$ . By 6am the following morning, the temperature is  $10^{\circ}\text{C}$  colder. What is the temperature at 6am?

**$-4^{\circ}\text{C}$**

#### Section 2

Calculate in your head:

$$23 + 56 = \mathbf{79}$$

$$46 + 28 = \mathbf{74}$$

$$73 - 32 = \mathbf{41}$$

$$81 - 17 = \mathbf{64}$$

#### Section 3

Calculate:

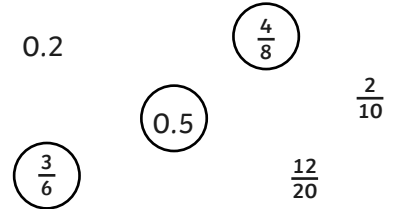
$$2 \times (4 + 5) = \mathbf{18}$$

$$6 + (5 \times 2) = \mathbf{16}$$

$$(5 + 11) \div 2 = \mathbf{8}$$

#### Section 4

Circle any fraction and decimal equivalent to  $\frac{1}{2}$ .



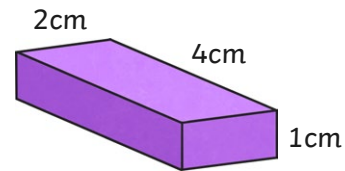
#### Section 5

James has  $\pounds 3.67$  in his money jar and 89p in his pocket. How much money has he altogether rounded to the nearest pound?

**$\pounds 5$**

#### Section 6

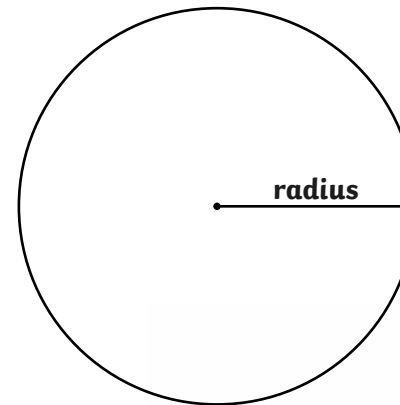
Calculate the volume of this cuboid:



**$8\text{cm}^3$**

#### Section 7

Draw the radius of this circle:



#### Section 8

Find the mean of these numbers:

6  
5  
9  
4

**6**

# Year 6 Maths Activity Mat

## Section 1

At 4am, the temperature is  $-3^{\circ}\text{C}$ . By midday the temperature has risen by  $11^{\circ}\text{C}$ . In the following 11 hours, the temperature falls by  $14^{\circ}\text{C}$ . What is the temperature at 11pm?

## Section 2

Calculate in your head:

$254 + 340 =$

$281 + 412 =$

$756 - 106 =$

$501 - 89 =$

## Section 3

Calculate:

$11 \times (7 + 2) =$

$9 + (5 \times 5) =$

$(21 + 9) \div 3 =$

## Section 4

Circle any fraction and decimal equivalent to  $\frac{3}{10}$ .

0.3

$\frac{9}{30}$

0.35

$\frac{10}{40}$

$\frac{1}{3}$

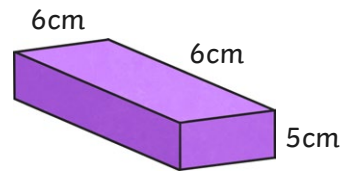
$\frac{6}{20}$

## Section 5

Angela has  $\pounds 5.24$  in her purse,  $\pounds 17.29$  in her bank account and  $\pounds 2.67$  in her pocket. How much money has she altogether, rounded to the nearest pound?

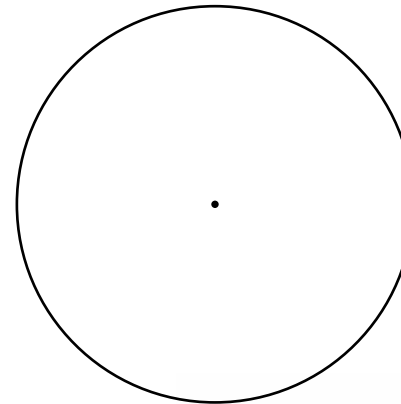
## Section 6

Calculate the volume of this cuboid:



## Section 7

Draw the radius and the diameter of this circle:



## Section 8

Find the mean of these numbers:

12  
16  
17  
19  
11

## Year 6 Maths Activity Mat: 4

### Answers

#### Section 1

At 4am, the temperature is  $-3^{\circ}\text{C}$ . By midday the temperature has risen by  $11^{\circ}\text{C}$ . In the following 11 hours, the temperature falls by  $14^{\circ}\text{C}$ . What is the temperature at 11pm?

**$-6^{\circ}\text{C}$**

#### Section 2

Calculate in your head:

$$254 + 340 = \mathbf{594}$$

$$281 + 412 = \mathbf{693}$$

$$756 - 106 = \mathbf{650}$$

$$501 - 89 = \mathbf{412}$$

#### Section 3

Calculate:

$$11 \times (7 + 2) = \mathbf{99}$$

$$9 + (5 \times 5) = \mathbf{34}$$

$$(21 + 9) \div 3 = \mathbf{10}$$

#### Section 4

Circle any fraction and decimal equivalent to  $\frac{3}{10}$ .

0.3        $\frac{9}{30}$        $\frac{10}{40}$   
0.35  
 $\frac{1}{3}$         $\frac{6}{20}$

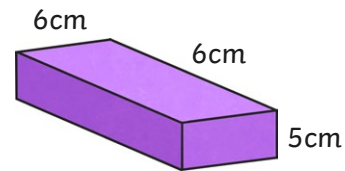
#### Section 5

Angela has  $\pounds 5.24$  in her purse,  $\pounds 17.29$  in her bank account and  $\pounds 2.67$  in her pocket. How much money has she altogether, rounded to the nearest pound?

**$\pounds 25$**

#### Section 6

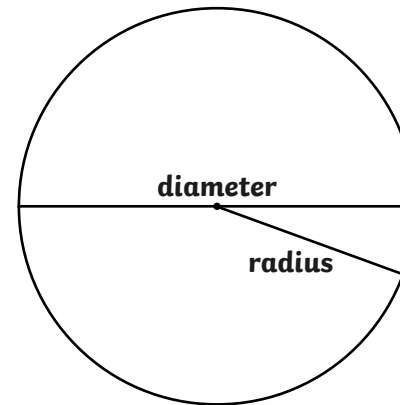
Calculate the volume of this cuboid:



**$180\text{cm}^3$**

#### Section 7

Draw the radius and the diameter of this circle:



#### Section 8

Find the mean of these numbers:

12  
16  
17  
19  
11

**15**

# Year 6 Maths Activity Mat

## Section 1

The temperature in a freezer is  $-18^{\circ}\text{C}$ . The temperature in a freezer section of a fridge is  $-7^{\circ}\text{C}$ . What is the difference between these temperatures?

## Section 2

Calculate in your head:

$$254 + 340 + 206 = \boxed{\phantom{000}}$$

$$281 + 412 + 78 = \boxed{\phantom{000}}$$

$$756 - 692 = \boxed{\phantom{000}}$$

$$501 - (89 + 62) = \boxed{\phantom{000}}$$

## Section 3

Calculate:

$$(4 + 3) \times (8 - 3) = \boxed{\phantom{000}}$$

$$12 + (4 \times 3) + 8 = \boxed{\phantom{000}}$$

$$(33 + 15) \div (3 + 1) = \boxed{\phantom{000}}$$

## Section 4

Calculate the decimal equivalent of  $\frac{1}{6}$ .

## Section 5

Some children hold a bake sale to raise some money for a local charity. They start with a float of  $\pounds 7.65$ . The ingredients cost  $\pounds 29.86$ . At the end of the sale, they count the money and have  $\pounds 79.54$ . How much money have they raised to the nearest 10p?

## Section 6

Write the dimensions of 3 cuboids with a volume of  $16\text{cm}^3$  where the edges are all whole centimetres.

## Section 7

Draw a circle. Mark the radius and the diameter.

## Section 8

One number is missing from this set of numbers, but the mean is 27. What number is missing?

11  
29  
43  
17  
?

## Year 6 Maths Activity Mat: 4

### Answers

#### Section 1

The temperature in a freezer is  $-18^{\circ}\text{C}$ . The temperature in a freezer section of a fridge is  $-7^{\circ}\text{C}$ . What is the difference between these temperatures?

11°C

#### Section 2

Calculate in your head:

$$254 + 340 + 206 = 800$$

$$281 + 412 + 78 = 771$$

$$756 - 692 = 64$$

$$501 - (89 + 62) = 350$$

#### Section 3

Calculate:

$$(4 + 3) \times (8 - 3) = 35$$

$$12 + (4 \times 3) + 8 = 32$$

$$(33 + 15) \div (3 + 1) = 12$$

#### Section 4

Calculate the decimal equivalent of  $\frac{1}{6}$ .

0.16666

#### Section 5

Some children hold a bake sale to raise some money for a local charity. They start with a float of £7.65. The ingredients cost £29.86. At the end of the sale, they count the money and have £79.54. How much money have they raised to the nearest 10p?

£42

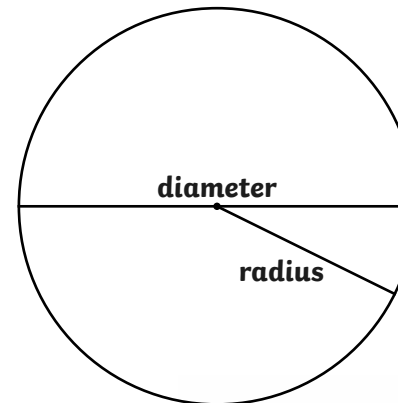
#### Section 6

Write the dimensions of 3 cuboids with a volume of  $16\text{cm}^3$  where the edges are all whole centimetres.

E.g.  $16 \times 1 \times 1$ ,  $8 \times 2 \times 1$ ,  
 $4 \times 4 \times 1$ ,  $4 \times 2 \times 2$ ,

#### Section 7

Draw a circle. Mark the radius and the diameter.



#### Section 8

One number is missing from this set of numbers, but the mean is 27. What number is missing?

11  
29  
43  
17  
?

35