

Year 6 Spring 2 Maths Activity Mat

4

1 The difference between the temperature in a fridge and a freezer is 23°C ? The freezer is at -19°C . What is the temperature in the fridge? _____

2 Calculate in your head:

$$25 + 52 =$$

$$58 + 23 =$$

$$97 - 66 =$$

$$71 - 34 =$$

3 Calculate:

$$5 \times (4 + 1) =$$

$$4 + 3 \times 5 =$$

$$(21 - 3) \div 6 =$$

4 Circle the odd one out.

$$\frac{1}{2} \quad \frac{3}{6} \quad \frac{5}{8} \quad 0.5$$

5 The record for the most runs in test cricket is held by Sachin Tendulkar of India with 15 921 runs. Round this to the nearest 10, 100 and 1000 runs.

6 Calculate the volume of this cuboid.



Volume = _____

7 Describe the circumference of a circle.

8 Find the mean of these numbers:

4, 8, 7, 2, 5

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1
The temperature in a fridge should be between 1°C and 4°C , and in a freezer between -18°C and -20°C . What should be the maximum and minimum differences in temperatures between a fridge and freezer? _____

2
Calculate in your head:

$$263 + 306 =$$

$$253 + 147 =$$

$$703 - 401 =$$

$$612 - 593 =$$

3
Calculate:

$$7 \times (3 + 6) =$$

$$98 - 12 \times 8 =$$

$$(45 + 19) \div 8 =$$

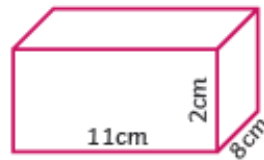
4
Circle the odd one out.

$$\frac{3}{4} \quad 0.75 \quad \frac{7}{8} \quad \frac{9}{12} \quad \frac{12}{16}$$

5
The moon is an average of 238 855 miles from the Earth. Round the distance to an appropriate figure.

The average distance from the earth to the moon is _____, rounded to the nearest _____.

6
Calculate the volume of this cuboid.



Volume = _____

7
Describe the radius and the diameter of a circle.

8
Find the mean of these numbers:

46, 38, 29, 40, 61

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1
The temperature in a freezer should be at 0°F . To convert F to C, use the following formula: $C = (F - 32) \times 5/9$ What should be the temperature in C in a freezer to the nearest tenth of a degree?

2
Calculate in your head:

$$112 + 134 + 109 =$$

$$288 + 112 + 698 =$$

$$384 - 134 =$$

$$425 - (150 + 50) =$$

3
Calculate:

$$(2 + 9) \times (7 - 2) =$$

$$12 - 4 \times 5 + 8 =$$

$$(34 - 6) \div (9 - 2) =$$

4
Write an odd one out question with four fractions and a decimal where they are all equal except one number.

5
The population of the United Kingdom has risen from 64.1 million in 2013 to 65.3 million in 2016. Estimate the annual increase in the population of the UK to the nearest hundred thousand.

6
Write the dimensions of three cuboids with a volume of 42 cm^3 , where the edges are all whole centimetres.

7
Draw two concentric circles where the radius of one circle is twice that of the other. (Concentric means same centre.)

8
The average of five whole numbers is 35.4. If the smallest number is 15, what is the largest number possible?

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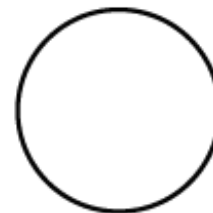
1
The difference between the temperature in a fridge and a freezer is 23°C ? The freezer is at -19°C . What is the temperature in the fridge?

4°C

4
Circle the odd one out.

$\frac{1}{2}$ $\frac{3}{6}$ **$\frac{5}{8}$** 0.5

7
Describe the circumference of a circle.



2
Calculate in your head:

$25 + 52 = 77$

$58 + 23 = 81$

$97 - 66 = 31$

$71 - 34 = 37$

5
The record for the most runs in test cricket is held by Sachin Tendulkar of India with 15 921 runs. Round this to the nearest 10, 100 and 1000 runs.

15 920, 15 900, 16 000

8
Find the mean of these numbers:

4, 8, 7, 2, 5

5.2

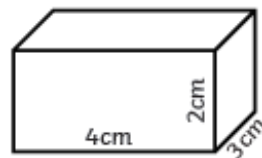
3
Calculate:

$5 \times (4 + 1) = 25$

$16 - 3 \times 5 = 1$

$(21 - 3) \div 6 = 3$

6
Calculate the volume of this cuboid.



$2\text{cm} \times 4\text{cm} \times 3\text{cm} = 24\text{cm}^3$

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4

1 The temperature in a fridge should be between 1°C and 4°C , and in a freezer between -18°C and -20°C . What should be the maximum and minimum differences in temperatures between a fridge and freezer? **Maximum 24°C , Minimum 19°C**

2 Calculate in your head:

$$263 + 306 = \mathbf{569}$$

$$253 + 147 = \mathbf{400}$$

$$703 - 401 = \mathbf{302}$$

$$612 - 593 = \mathbf{19}$$

3 Calculate:

$$7 \times (3 + 6) = \mathbf{63}$$

$$98 - 12 \times 8 = \mathbf{2}$$

$$(45 + 19) \div 8 = \mathbf{8}$$

4 Circle the odd one out.

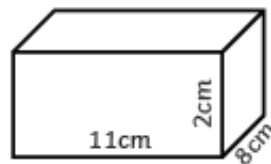
$$\frac{3}{4} \quad 0.75 \quad \left(\frac{7}{8}\right) \quad \frac{9}{12} \quad \frac{12}{16}$$

5 The moon is an average of 238 855 miles from the Earth. Round the distance to an appropriate figure.

Various answers possible.

e.g. 239 000 (1000), 238 900 (100)

6 Calculate the volume of this cuboid.



$$\mathbf{11\text{cm} \times 8\text{cm} \times 2\text{cm} = 176\text{cm}^3}$$

7 Describe the radius and the diameter of a circle.

The radius is a line from the centre of the circle to the circumference, and the diameter is a line from the circumference to the circumference through the centre.

(Answer can be drawn)

8 Find the mean of these numbers:

46, 38, 29, 40, 61

42.8

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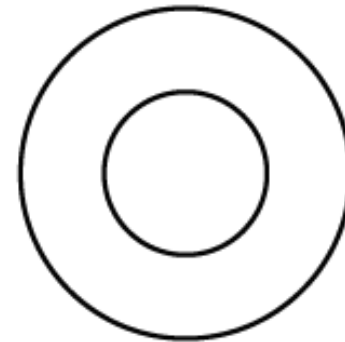
1 The temperature in a freezer should be at 0°F . To convert F to C, use the following formula: $C = (F - 32) \times 5/9$ What should be the temperature in C in a freezer to the nearest tenth of a degree?

-17.8°C

4 Write an odd one out question with four fractions and a decimal where they are all equal except one number.

various answers

7 Draw two concentric circles where the radius of one circle is twice that of the other. (Concentric means same centre.)



2 Calculate in your head:

$$112 + 134 + 109 = \mathbf{355}$$

$$288 + 112 + 598 = \mathbf{998}$$

$$384 - 134 = \mathbf{250}$$

$$425 - (150 + 50) = \mathbf{225}$$

5 The population of the United Kingdom has risen from 64.1 million in 2013 to 65.3 million in 2016. Estimate the annual increase in the population of the UK to the nearest hundred thousand.

400 000

3 Calculate:

$$(2 + 9) \times (7 - 2) = \mathbf{55}$$

$$12 - 4 \times 5 + 8 = \mathbf{0}$$

$$(34 - 6) \div (9 - 2) = \mathbf{4}$$

6 Write the dimensions of three cuboids with a volume of 42 cm^3 , where the edges are all whole centimetres.

Various answers including: $42 \times 1 \times 1$, $21 \times 2 \times 1$, $7 \times 3 \times 2$, $7 \times 6 \times 1$.

8 The average of five whole numbers is 35.4. If the smallest number is 15, what is the largest number possible?

117 (when all the other 4 numbers are 15)