Year 6 Autumn 2 Maths Activity Mat 5

Section 1

Use these clues to find the number:
- It is between 1000 and 2000
- It is a multiple of 6.
- The hundreds and tens digits are identical and add up to 10.

Section 2

Calculate:

		2	1	4	6
×				1	4

Section 3

A fitness gym has 2419 members. There are 992 adult male and 1024 adult female members? The remaining members are 16-17 years old. How many members are 16-17 years old?

Section 4

Calculate:

$\frac{1}{4} \div 2 =$ ☐

$\frac{1}{2} \div 5 =$ ☐

Section 5

Write $\frac{5}{4}$ as a decimal fraction.
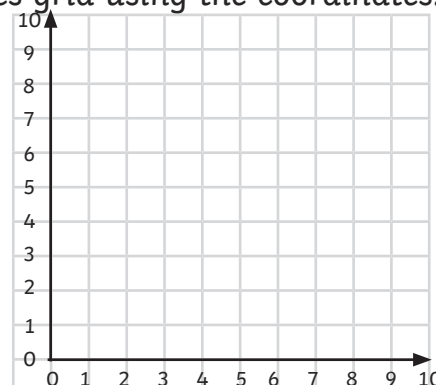
Section 6

Four friends buy a 5kg bag of rice and divide it equally between them. What weight of rice will each have in kilograms?

Section 7

Draw a parallelogram on this coordinates grid using the coordinates:

(6,4) (8,8)

(4,8) (2,4).

Section 8

a and b are whole numbers between 5 and 10. Write all the combinations showing the possible values of a and b where:

a + b = 14

Year 6 Autumn 2 Maths Activity Mat 5 **Answers**

Section 1
Use these clues to find the number:

- It is between 1000 and 2000
- It is a multiple of 6.
- The hundreds and tens digits are identical and add up to 10.

1554

Section 2
Calculate:

		2	1	4	6
×				1	4
		8	5	8	4
	2	1	4	6	0
	3	0	0	4	4

Section 3
A fitness gym has 2419 members. There are 992 adult male and 1024 adult female members? The remaining members are 16–17 years old. How many members are 16–17 years old?

403

Section 4
Calculate:

¼ ÷ 2= $\frac{1}{8}$

½ ÷ 5= $\frac{1}{10}$

Section 5
Write $\frac{5}{4}$ as a decimal fraction.

1.25

Section 6
Four friends buy a 5kg bag of rice and divide it equally between them. What weight of rice will each have in kilograms?
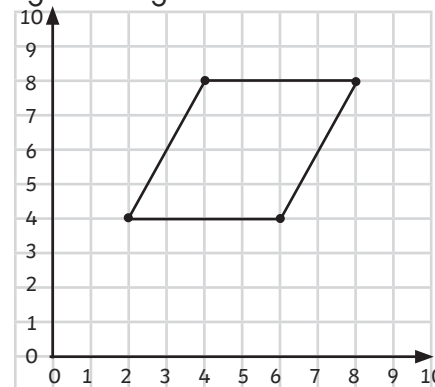
1.25kg

Section 7
Draw a parallelogram on this coordinates grid using the coordinates:

(6,4) (8,8)

(4,8) (2,4).

Section 8
a and b are whole numbers between 5 and 10. Write all the combinations showing the possible values of a and b where:

a + b = 14

a = 6, b = 8; a = 7, b = 7; a = 8, b = 6

Year 6 Autumn 2 Maths Activity Mat 5

Section 1
Use these clues to find the number:
- The number has 6 digits.
- The number is more than 800 000.
- 5 is a factor of the number.
- The first 5 digits are all even.
- The hundreds and tens digits are the same and add up to a cube number.
- The ten thousands digit is three times the thousands digit.

Section 2
Calculate:

		5	4	9	6
	×			2	7

Section 3
A fitness gym has 3097 members. There are 797 adult male and 845 female full members. The remaining members are off peak members. One third of the off peak members are male. How many of the off peak members are female?

Section 4
Calculate:

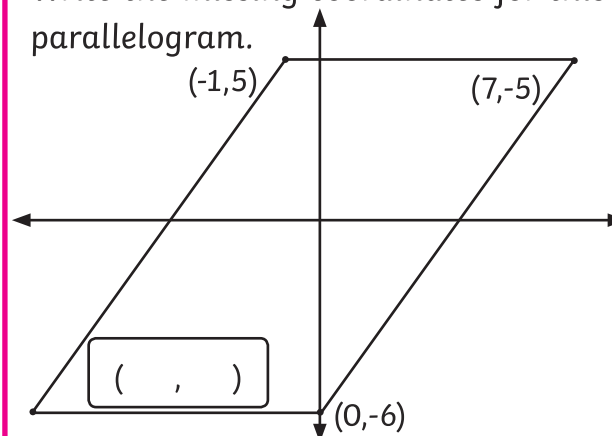$\frac{1}{3} \div 4 =$ ☐

$\frac{2}{3} \div 5 =$ ☐

Section 5
Write $\frac{11}{8}$ as a decimal fraction.

Section 6
Eight friends buy an 11kg bag of rice and divide it equally between them. What weight of rice will each have in grams?

Section 7
Write the missing coordinates for this parallelogram.

(-1,5)   (7,-5)

(,)

(0,-6)

Section 8
a and b are whole numbers between 5 and 10. Write all the combinations showing the possible values of a and b where:
2a + b = 21

Year 6 Autumn 2 Maths Activity Mat 5 **Answers**

Section 1
Use these clues to find the number:

- The number has 6 digits.
- The number is more than 800 000.
- 5 is a factor of the number.
- The first 5 digits are all even.
- The hundreds and tens digits are the same and add up to a cube number.
- The ten thousands digit is three times the thousands digit.

862 445

Section 2
Calculate:

		5	4	9	6
	×			2	7
	3	8	4	7	2
1	0	9	9	2	0
1	4	8	3	9	2

Section 3
A fitness gym has 3097 members. There are 797 adult male and 845 female full members. The remaining members are off peak members. One third of the off peak members are male. How many of the off peak members are female?

970

Section 4
Calculate:

$\frac{1}{3} \div 4 =$ $\boxed{\frac{1}{15}}$

$\frac{2}{3} \div 5 =$ $\boxed{\frac{2}{15}}$

Section 5
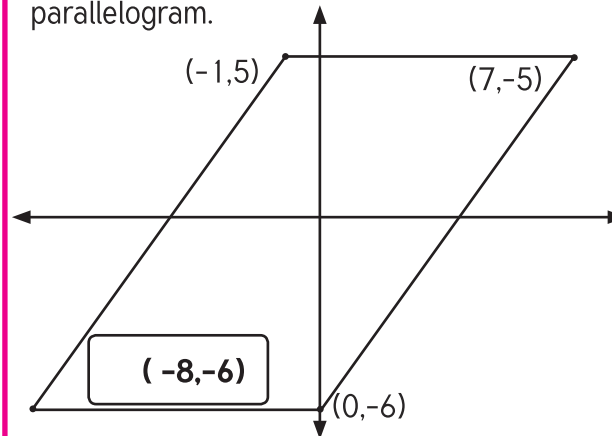Write $\frac{11}{8}$ as a decimal fraction.

1.375

Section 6
Eight friends buy an 11kg bag of rice and divide it equally between them. What weight of rice will each have in grams?

1375g

Section 7
Write the missing coordinates for this parallelogram.

$(-1,5)$ $(7,-5)$

$(-8,-6)$ $(0,-6)$

Section 8
a and b are whole numbers between 5 and 10. Write all the combinations showing the possible values of a and b where:

$2a + b = 21$

a = 6, b = 9; a = 7, b = 7

Year 6 Autumn 2 Maths Activity Mat 5

Section 1
Use these clues to find the number:
- This is a 7-digit number.
- The digits all add up to 29.
- The hundred thousands, ten thousands and thousands digits are reversed to make the hundreds, tens and ones digits.
- The tens digit is four times bigger than the hundreds digit.

Section 2
Find the missing numbers in this calculation.

			7	0	☐	6
×					4	☐
			5	6	7	6	8
2	8	3	8	4	0	
☐	☐	☐	☐	☐	☐	

Section 3
A fitness gym has 4675 members. 40% of the members are off peak members. Of the remaining full members, there are 45 more male members than female members. How many full male members are there?

Section 4
Complete

$$\frac{4}{☐} \div 3 = \frac{4}{15}$$
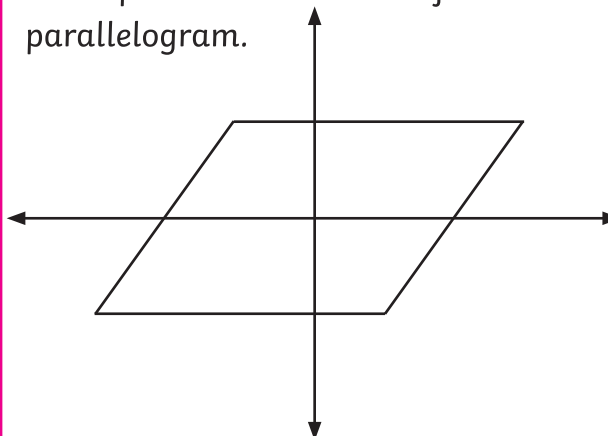
$$\frac{5}{☐} \div 4 = \frac{5}{24}$$

Section 5
Write $\frac{11}{3}$ as a decimal fraction, rounding your answer to 2 decimal places.

Section 6
Rice is sold in 7kg bags. 3 friends want to buy bags of rice to share. One friend wants at least 2.5kg, one wants half as much and the other twice as much. How many bags are needed and how much rice will each friend have if the rice is divided in the proportions they want?

Section 7
Write possible coordinates for this parallelogram.

Section 8
a and b are whole numbers between 3 and 11. Write all the combinations showing the possible values of a and b where:
$3a + b = 28$

Year 6 Autumn 2 Maths Activity Mat 5 **Answers**

Section 1

Use these clues to find the number:

- This is a 7-digit number.
- The digits all add up to 29.
- The hundred thousands, ten thousands and thousands digits are reversed to make the hundreds, tens and ones digits.
- The tens digit is four times bigger than the hundreds digit.

7 641 146

Section 2

Find the missing numbers in this calculation.

		7	0	**9**	6
	×			4	**8**
	5	6	7	6	8
2	8	3	8	4	0
3	**4**	**0**	**6**	**0**	**8**

Section 3

A fitness gym has 4675 members. 40% of the members are off peak members. Of the remaining full members, there are 45 more male members than female members. How many full male members are there?

1425

Section 4

Complete

$$\frac{4}{5} \div 3 = \frac{4}{15}$$

$$\frac{5}{6} \div 4 = \frac{5}{24}$$

Section 5

Write $\frac{11}{3}$ as a decimal fraction, rounding your answer to 2 decimal places.
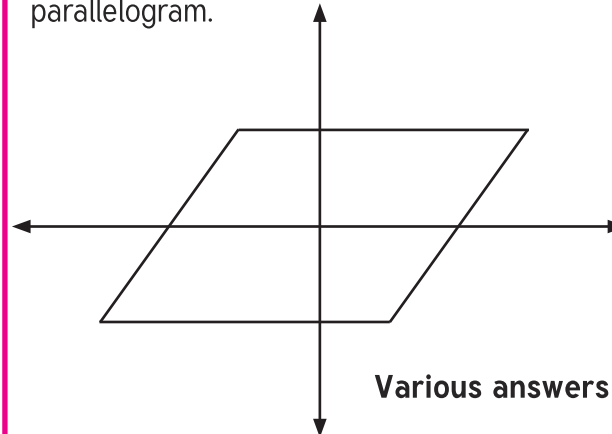
3.33

Section 6

Rice is sold in 7kg bags. 3 friends want to buy bags of rice to share. One friend wants at least 2.5kg, one wants half as much and the other twice as much. How many bags are needed and how much rice will each friend have if the rice is divided in the proportions they want?

2 bags
2kg, 4kg and 8 kg

Section 7

Write possible coordinates for this parallelogram.

Various answers

Section 8

a and b are whole numbers between 3 and 11. Write all the combinations showing the possible values of a and b where:

3a + b = 28

a = 6, b = 10; a = 7, b = 7; a = 8, b = 4