

1

Task 1

Find the missing numbers.

$$85,000 = \underline{80,000} + 5,000$$

$$9,190 = 9,000 + \underline{100} + \underline{90}$$

$$51,347 = \underline{50,000} + \underline{1,000} + \underline{300} + 40 + \underline{7}$$

Week One



Task 3

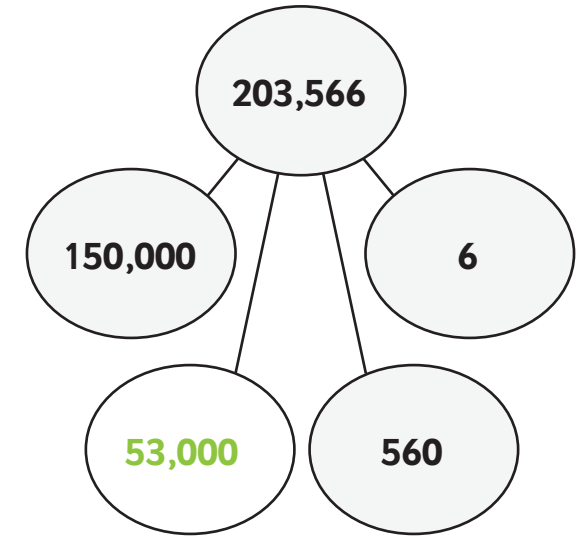
Write the number one hundred and twenty-nine thousand, five hundred and sixteen in numerals.

129,516

5

Task 5

Complete the part-whole diagram.



2

Task 2

Write the number **384,091** in words.

three hundred and eighty-four thousand, and ninety-one

Task 4

Complete the table.

	Add 10	Add 100	Add 1,000
1,459	1,469	1,559	2,459
4,002	4,012	4,102	5,002
8,995	9,005	9,095	9,995

Task 6

Describe the value of the digit 4 in each of the following numbers.

a) 94,055

4 thousands

b) 405,512

4 hundred thousands

c) 845,108

four ten thousands

6

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Task 1

Circle the number that matches one million, five hundred and sixty thousand, eight hundred and eight.

1,506,808

1,560,808

1,560,880

1,560,088

1,056,808

Week Two

+

Task 3

Find a number that is greater than 125,000 but less than 168,000.

e.g. 125,001

Task 5

Complete the column sum.

	2	5	0	5	7
+		5	1	4	4
	3	0	2	0	1
	1		1	1	

2

Task 2

Use <, > or = to compare these numbers.

284,199

>

99,999

875,300

>

788,488

one million

>

100,009

Task 4

Find the missing numbers

$$\text{a) } 7,900,490 = \underline{7,000,000} + 900,000 + \underline{400} + \underline{90}$$

$$\text{b) } \underline{8,124,523} = 8,000,000 + 100,000 + 20,000 + 4,000 + 500 + 20 + 3$$

Task 6

Solve these calculations.

$$2 - 4 = \underline{-2}$$

$$-1 + 6 = \underline{5}$$

$$4 - 10 = \underline{-6}$$

6

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Task 1

A farmer picked 368 apples on Wednesday. The next day, he picked 112 more than on Wednesday.
On Friday he picked 230 apples less than Thursday.
How many apples did he pick altogether?



1,098

Week Three 5



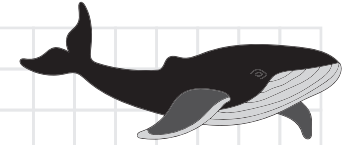
Task 3

What number is represented by CDLXXXIV?

484

Task 5

There are 41,194 whales in the Arctic ocean. 11,204 are bowhead whales.
How many are not bowhead whales?



29,990

2

Task 2

I'm thinking of a number. After I subtract 3,296 and add 911, my number is 11,000.

What was my original number?

13,385

Task 4

Complete the table by rounding.

	to nearest 10	to nearest 100	to nearest 1,000
850	850	900	1,000
1,237	1,240	1,200	1,000
6,666	6,670	6,700	7,000

Task 6

Lily had £32 in her bank account.
A pair of shoes cost her £40.
How much does she have in her account now?



-£8

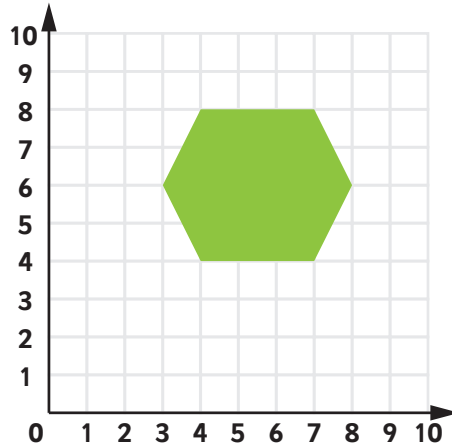
6

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Task 1

Draw the vertices of the polygon with the coordinates (4, 4), (7, 4), (8, 6), (7, 8), (4, 8), (3, 6).
What is the name of the polygon?

hexagon



Week Four

5

+

Task 3

3

Task 2: Find the missing digits.

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

Task 5

Simplify these fractions.

$$\frac{8}{12} = \frac{2}{3}$$

$$\frac{12}{24} = \frac{1}{2}$$

$$\frac{15}{33} = \frac{5}{11}$$

$$\frac{40}{120} = \frac{1}{3}$$

2

Task 2

Convert the mixed numbers into improper fractions.

$$1\frac{4}{5} = \frac{9}{5}$$

$$3\frac{2}{7} = \frac{23}{7}$$

$$4\frac{3}{9} = \frac{39}{9} \text{ or } \frac{13}{3}$$

Task 4

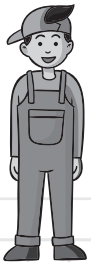
4

Complete the table by rounding.

	to nearest 10,000	to nearest 100,000	to nearest 1,000,000
746,112	750,000	700,000	1,000,000
62,999	60,000	100,000	0
3,501,200	3,500,000	3,500,000	4,000,000

Task 6

Chris saved £1,603 each month.
How much did he save in 6 months?



£9,618

6

1

Task 1

Find the equivalent fractions.

a) $\frac{5}{20} = \frac{1}{4}$

b) $\frac{14}{21} = \frac{2}{3}$

c) $\frac{58}{100} = \frac{29}{50}$

Week Five 5



Task 3

3

True or false

23 x 59 is less than 24 x 58.True False

Task 5

Calculate these multiplication sums.

$25 \times 12 = \underline{300}$

$26 \times 12 = \underline{312}$

$25 \times 13 = \underline{325}$

$26 \times 13 = \underline{338}$

What do you notice?

e.g. add 12 or 13 to previous calculation

2

Task 2

Convert the improper fractions to mixed numbers.

$\frac{31}{10} = 3\frac{1}{10}$

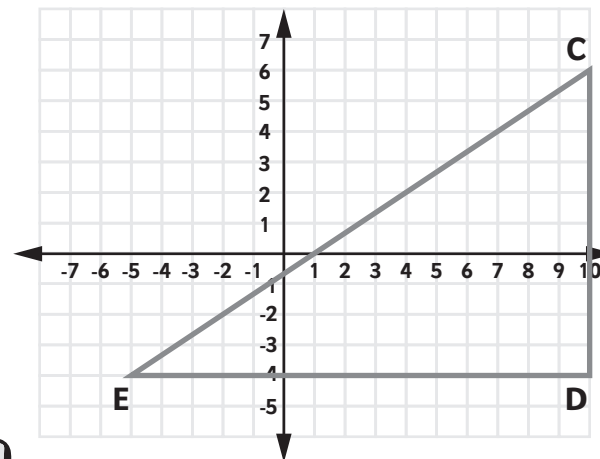
$\frac{48}{7} = 6\frac{6}{7}$

$\frac{88}{5} = 17\frac{3}{5}$

Task 4

4

Write the coordinates for vertices

C (10, 6), D (10, -4) and E (-5, -4).

Task 6

What is the remainder from this calculation?

$678 \div 23 = \underline{29 \text{ r. } 11}$

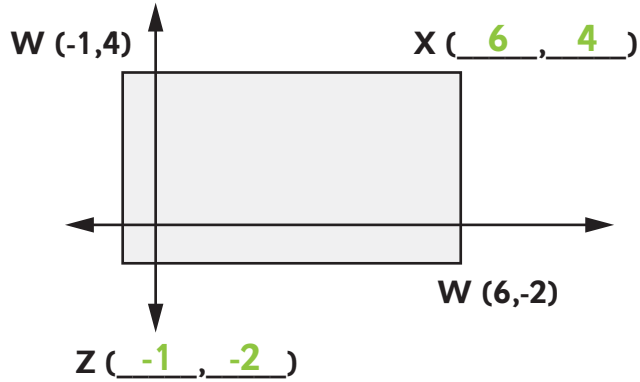
11

6

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Task 1

Work out the missing coordinates of the rectangle.



Week Six

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Task 3

3

True or false

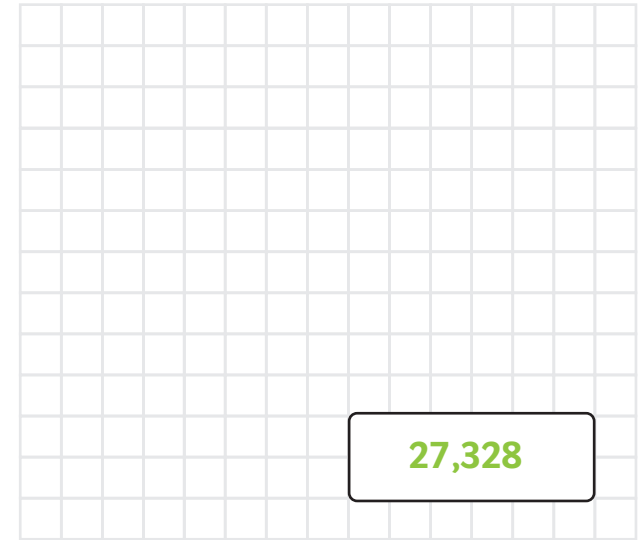
40 has double the number of factors as 20.

True

False

Task 5

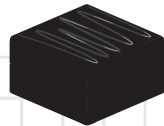
Calculate 32×854 .



2

Task 2

Mohammad used 14 chocolate chips per brownie.
He made 2,990 brownies.
How many chocolate chips did he use in total?



41,860

Task 4

4

Use short division to solve these calculations.

$$\begin{array}{r} 158 \\ 4 \overline{) 6232} \end{array}$$

$$\begin{array}{r} 0966 \text{ r } 2 \\ 8 \overline{) 775350} \end{array}$$

Task 6

The farmer puts eggs in cartons of 16.
On one day, their hens laid 368 eggs.
How many cartons of eggs did they fill?

$$\begin{array}{r} 023 \\ 16 \overline{) 368} \\ - 0 \\ \hline 36 \\ - 32 \\ \hline 48 \\ - 48 \\ \hline 0 \end{array}$$

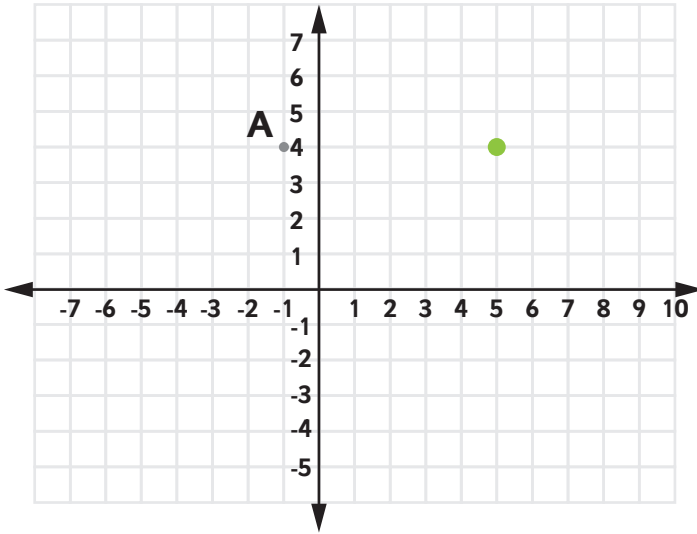
23 cartons

6

1

Task 1

Translate A 6 units right.



Week Seven 5

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Task 3

3

List 3 common multiples of 3 and 7.

21, 42, 63

Task 5

True or false

$\frac{1}{4} + \frac{3}{10}$ is greater than $\frac{1}{2} + \frac{1}{5}$.

True

False



2

Task 2

Use $<$, $>$ or $=$ to compare the fractions.

$$\frac{1}{4} < \frac{1}{3}$$

$$\frac{2}{5} < \frac{1}{2}$$

$$\frac{5}{7} < \frac{7}{8}$$

$$\frac{11}{12} > \frac{10}{13}$$

Task 4

4

Complete the sums.

$$1\frac{3}{7} + 2\frac{1}{5} = 3\frac{22}{35}$$

$$4\frac{1}{2} + 3\frac{2}{3} = 8\frac{1}{6}$$

$$5\frac{2}{5} + 1\frac{3}{4} = 7\frac{3}{20}$$

Task 6

Use long division to calculate $8,302 \div 7$.

$$\begin{array}{r} 1186 \\ 7 \overline{) 8302} \\ \underline{7} \\ 13 \\ \underline{07} \\ 60 \\ \underline{56} \\ 42 \\ \underline{42} \\ 0 \end{array}$$

1,186

6

1

Task 1

Rupert has $\frac{4}{5}$ of a cereal bar.

He shares it equally with his brother.

What fraction of a cereal bar do they each get?

$$\frac{2}{5}$$



Week Eight

Task 3

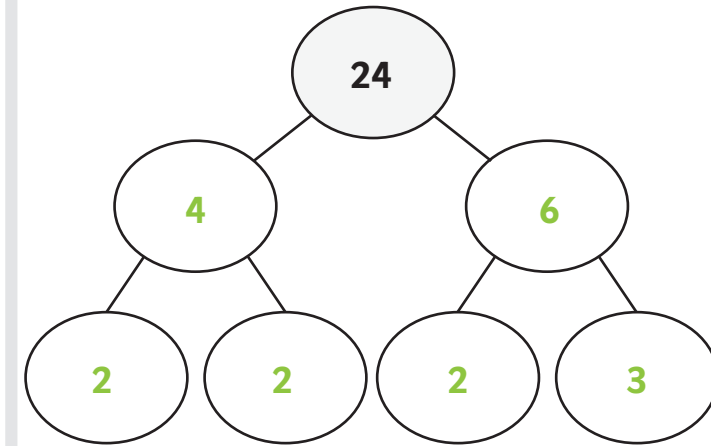
Solve the calculation.

$$8\frac{2}{3} - \frac{1}{15} = 8\frac{9}{15}$$

simplified to $8\frac{3}{5}$

Task 5

Complete the prime factor tree for 24.



2

Task 2

Jim has 42 pens.

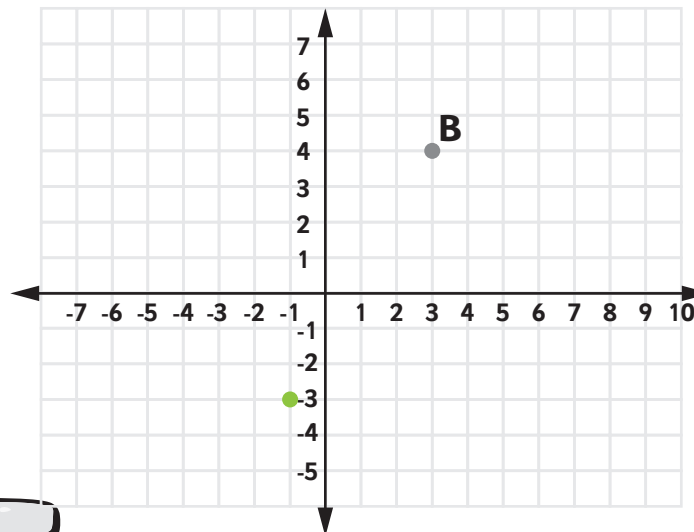
He shares them equally with the people at his table. How many people could be at his table?

Factors of 42 = 1, 2, 3, 6, 7, 14, 21, 42

Cannot be 1 as that would just be Jim.

Task 4

Translate B 4 units left and 7 units down.



Task 6

Find the common denominators of each pair of fractions to solve the calculations.

$$\frac{2}{3} + \frac{4}{7} = \frac{26}{21} \text{ or } 1\frac{5}{21}$$

$$\frac{6}{9} - \frac{2}{5} = \frac{12}{45} \text{ or } \frac{4}{15}$$

$$\frac{9}{10} - \frac{1}{4} - \frac{1}{6} = \frac{29}{60}$$

1

Task 1

Jenny has completed this calculation.
Fix her errors.



$$44 - (2 \times 15) \div 2 = 315$$

$$44 - 30 \div 2 = \underline{\quad}$$

$$44 - 15 = 29$$

Week Nine



Task 3

Use $<$, $>$ or $=$ to complete the statements.

3 squared



2 cubed

6 cubed



215

169



13 squared

Task 5

Solve these division calculations.

$$\frac{1}{2} \div 4 = \frac{1}{8}$$

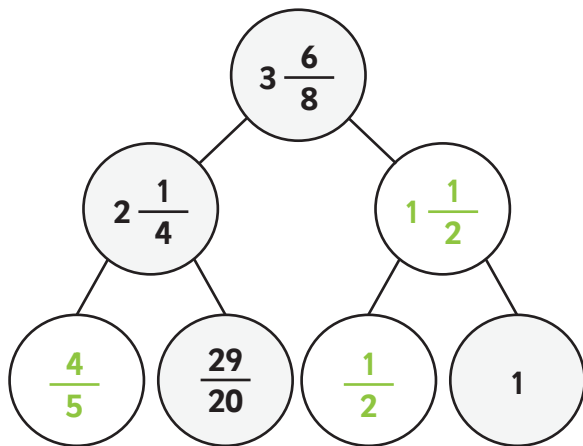
$$\frac{1}{6} \div 3 = \frac{1}{18}$$

$$\frac{3}{4} \div 2 = \frac{3}{8}$$

2

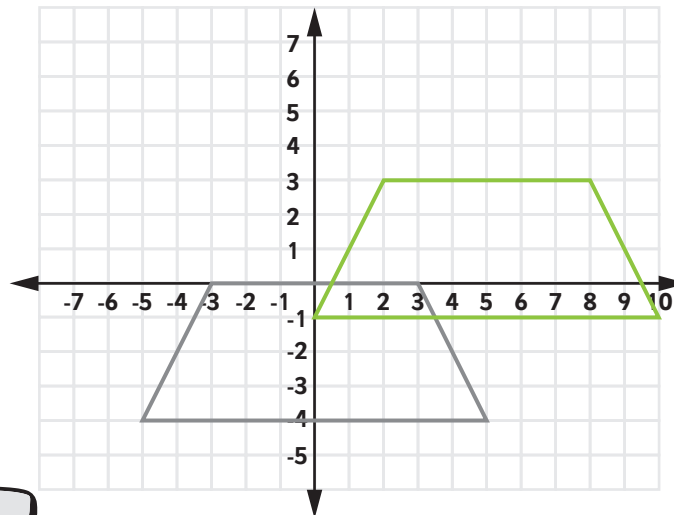
Task 2

Complete the part-whole model.



Task 4

Translate the shape 5 units to the right and 3 units up.



Task 6

The library's books are $\frac{2}{4}$ children's fiction, $\frac{3}{9}$ non-fiction and the rest are adult fiction.

What fraction of the library's books are adult fiction?

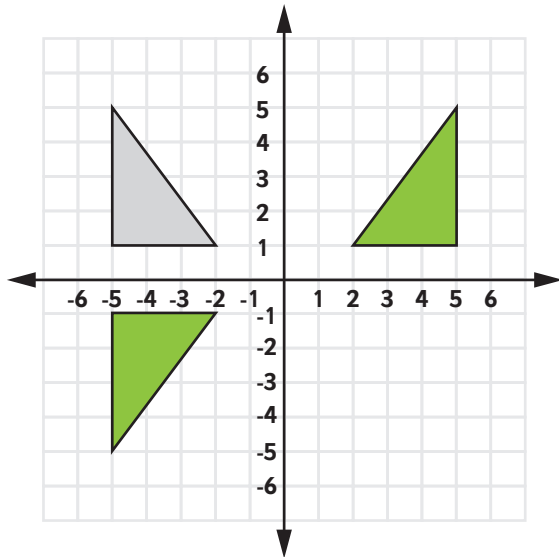
$$\frac{1}{6}$$



1

Task 1

Reflect the shape in the x-axis and the y-axis.



Week Ten

5

+

Task 3

3

Nell needs $\frac{3}{4}$ of a book of 44 stamps.
How many stamps does she need?



Task 5

Calculate:

$$2\frac{1}{2} + \frac{1}{4} - 1 = 1\frac{3}{4}$$

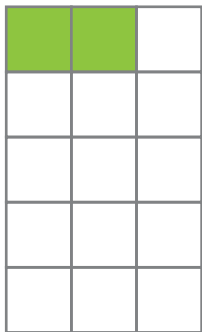
$$(1\frac{1}{4} + \frac{1}{3}) \times 3 = 4\frac{3}{4}$$

$$(4\frac{2}{3} - \frac{2}{3}) \div 2 = 2$$

2

Task 2

Shade the diagram to represent the calculation $\frac{2}{3} \times \frac{1}{5}$. Write the answer in its simplest form.

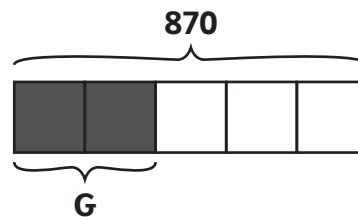


$$\frac{2}{15}$$

Task 4

4

What is the value of G?



$$348$$

Task 6

÷

Convert the mixed numbers to improper fractions and solve the calculations.

$$3\frac{6}{7} \times 4 = \frac{108}{7} = 15\frac{3}{7}$$

$$5\frac{8}{5} \times 2 = \frac{66}{5} = 13\frac{1}{5}$$

6