

10 - Minute Maths



Add comparison symbols to make this correct.

23,753 9,378
 79,000 97,000
 140,000 410,000
 896,555 985,666

Write the value of the Roman numerals.

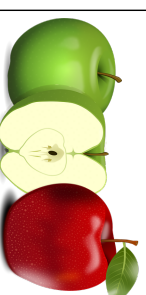
Roman Numeral	Number
DCCLII	
CDXVII	
XIX	
LXV	
CXXIV	

Round these numbers to the nearest whole number.

- a) 5.4 ≈ _____
- b) 3.18 ≈ _____
- c) 8.49 ≈ _____
- d) 1.64 ≈ _____
- e) 0.91 ≈ _____

There are 100 apples in a bucket.
 62 are green and the rest are red.

What percentage are red?



Complete the sequence.

30, 15, 0, _____, _____
 12, 7, 2, _____, _____
 - 350, - 200, - 50, _____, _____
 - 90, - 65, - 40, _____, _____

$7,856 + 16,502 =$

One watch costs £15. I spend £150.
 How many watches did I buy?

Watches are now, 'Buy 2, Get 1 Free'.
 I leave with 12 watches.
 How much did I spend if 1 watch is £15?



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5

Sheet 1

Add comparison symbols to make this correct.

23,753 9,378
 79,000 97,000
 140,000 410,000
 896,555 985,666

Write the value of the Roman numerals.

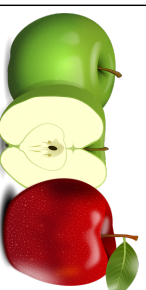
Roman Numeral	Number
DCCCLII	752
CDXVII	417
XIX	19
LXV	65
CXXIV	124

Round these numbers to the nearest whole number.

a) 5.4 ≈ 5
 b) 3.18 ≈ 3
 c) 8.49 ≈ 8
 d) 1.64 ≈ 2
 e) 0.91 ≈ 1

There are 100 apples in a bucket.
62 are green and the rest are red.

What percentage are red?



Complete the sequence.

30, 15, 0, **-15**, **-30**, _____
 12, 7, 2, **-3**, **-8**, _____
 -350, -200, -50, **100**, **250**, _____
 -90, -65, -40, **-15**, _____, **10**

$$7,856 + 16,502 =$$

One watch costs £15. I spend £150.
How many watches did I buy?

Watches are now, 'Buy 2, Get 1 Free'.
I leave with 12 watches.
How much did I spend if 1 watch is £15?



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Zach has counted backwards in 5s.

Can you explain the mistake he has made and correct it?

- 11, - 6, - 1, - 4



Complete the fractions.

$$\frac{\square}{36} + \frac{1}{12} = \frac{5}{6}$$

$$\frac{12}{\square} - \frac{7}{8} = \frac{5}{8}$$

Circle the numbers greater than 63 thousandths.

0.63 63 ones

7 tenths 0.008

6.3 0.2

A train travels 100 km in an hour.

How far does it travel in 150 minutes?



Write these numbers in order from the smallest to the largest.

36,540

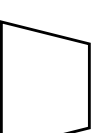
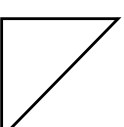
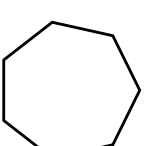
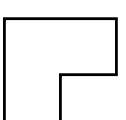
360,450

350,540

$$84,323 - 12,642 =$$



Circle the irregular polygons.



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Zach has counted backwards in 5s.

Can you explain the mistake he has made and correct it?

- 11, - 6, - 1, - 4

Zach has counted correctly until he got to negative 1. He counted back 1 number until zero and then instead of counting 1, 2, 3, 4 - he counted backwards through zero.

Complete the fractions.

$$\frac{27}{36} + \frac{1}{12} = \frac{5}{6}$$

$$\frac{12}{8} - \frac{7}{8} = \frac{5}{8}$$

Circle the numbers greater than 63 thousandths.

0.63

63 ones

7 tenths

0.008

6.3

0.2

A train travels 100 km in an hour.

How far does it travel in 150 minutes?

250 km



Write these numbers in order from the smallest to the largest.

36,540

360,450

350,540

36,540

350,540

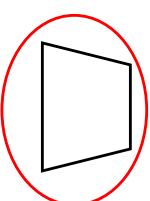
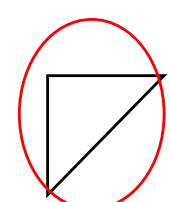
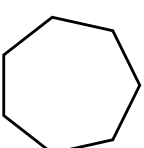
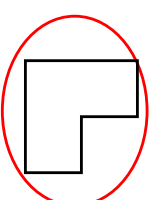
360,450

$$84,323 - 12,642 =$$

71,681

-	8	4	3	2	3				
	3	12	1						
	1	2	6	4	2				
	<u>7</u>	<u>1</u>	<u>6</u>	<u>8</u>	<u>1</u>				

Circle the irregular polygons.



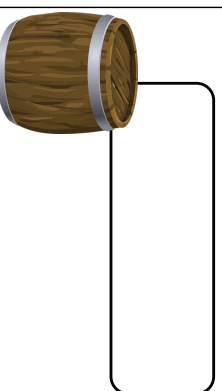
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Complete the table.

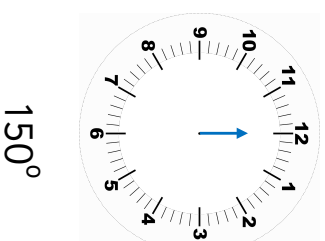
	Round to the nearest 100
24,439	
9,199	
471	

Steph's barrel was 41.75 kg. She added 3.25 kg of clothes, and then decided to take out 2.05 kg.

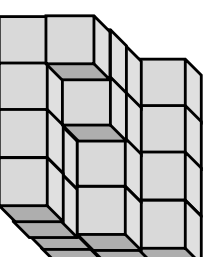
What is the new weight of the barrel?



Put the other hand at the correct place to make an angle written below.



Malachi wanted to build a big cube with a volume of 64cm^3 , using small cubes. How many more small cubes does he need to finish his model?



Fill in the missing digits.

$$\begin{array}{cccc} \square & \square & \square & \square \\ + & 4, & 000 & = 7,353 \end{array}$$

$$85,262 - \begin{array}{cccc} \square & \square & \square & \square \\ = & 262 \end{array}$$

Complete the calculation.

$$\begin{array}{r} 1\ 2\ 7\ 2\ 4 \\ + \\ \hline 3\ 5\ 0\ 2\ 2 \\ \hline \end{array}$$

Circle the largest number in each row.

2,450

2,200

2,890

2,699

56,752

55,652

6,752

50,999

7,678

7,341

7,553

76,400

33,333

330,300

3,470

13,980

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5

Complete the table.

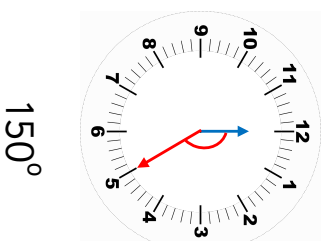
	Round to the nearest 100
24,439	24,400
9,199	9,200
471	500

Steph's barrel was 41.75 kg. She added 3.25 kg of clothes, and then decided to take out 2.05 kg.

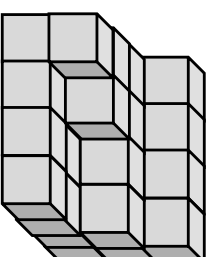
What is the new weight of the barrel?

42.95 kg

Put the other hand at the correct place to make an angle written below.



Malachi wanted to build a big cube with a volume of 64cm^3 , using small cubes. How many more small cubes does he needs to finish his model?



33 small cubes

Fill in the missing digits.

$$\begin{array}{|c|} \hline 3 \\ \hline 3 \\ \hline 5 \\ \hline 3 \\ \hline \end{array} + 4,000 = 7,353$$

$$85,262 - \begin{array}{|c|} \hline 8 \\ \hline 5 \\ \hline 0 \\ \hline 0 \\ \hline 0 \\ \hline \end{array} = 262$$

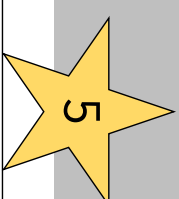
Complete the calculation.

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

Circle the largest number in each row.

- | | | | |
|---------------|----------------|--------------|---------------|
| 2,450 | 2,200 | 2,890 | 2,699 |
| 56,752 | 55,652 | 6,752 | 50,999 |
| 7,678 | 7,341 | 7,553 | 76,400 |
| 33,333 | 330,300 | 3,470 | 13,980 |

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Calculate the answers mentally.

$150 \times 20 =$

$19 \times 5 =$

$13 \times 100 =$

Circle all of the prime numbers below.

13

6

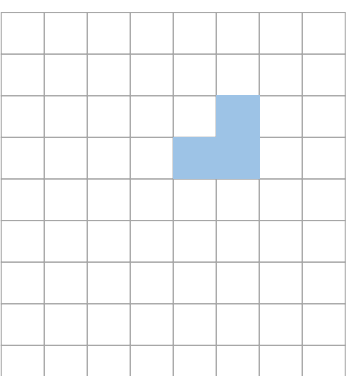
17

8

21

3

A shape is translated three squares to the right, two down and three to the left. Draw the new position of this shape.



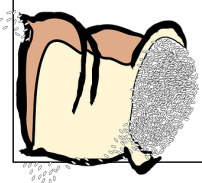
Partition these numbers.

4.55

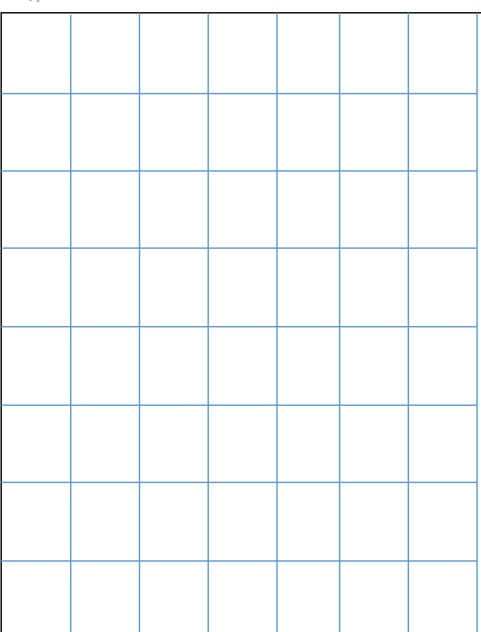
7.262

Emily is making a new rice dish. For every 25g of rice, she needs 40ml of water and 30ml of vegetable stock.

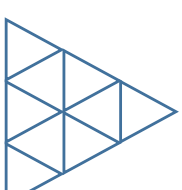
She uses a total of 210 ml of liquid. How much rice did she use?



$34,305 - 465 =$



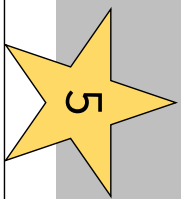
Colour the second image to show an equivalent fraction. Write the fractions under each image.



=



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Calculate the answers mentally.

$150 \times 20 =$ 3,000

$19 \times 5 =$ 95

$13 \times 100 =$ 1,300

Circle all of the prime numbers below.

13

6

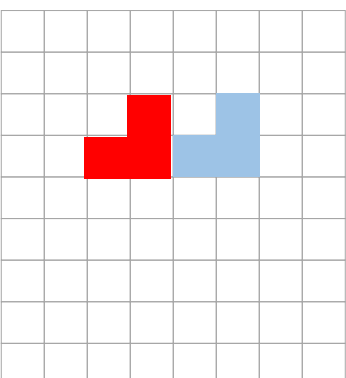
17

8

21

3

A shape is translated three squares to the right, two down and three to the left. Draw the new position of this shape.



Partition these numbers.

4.55

4 ones, 5 tenths, 5 hundredths

7.262

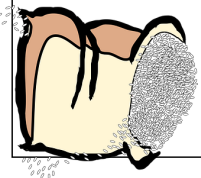
7 ones, 2 tenths, 6 hundredths,

2 thousandths

Emily is making a new rice dish. For every 25g of rice, she needs 40ml of water and 30ml of vegetable stock.

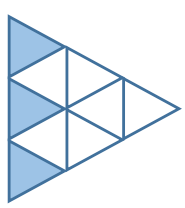
She uses a total of 210 ml of liquid. How much rice did she use?

75 g



$34,305 - 465 =$

Colour the second image to show an equivalent fraction. Write the fractions under each image.



4
12

=

3
9

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Draw an arrow to match each number to its whole.

3.58	1.9
0.45	4.53
2.71	1.29

0
1
2
3
4
5

Simplify the fractions.

$$\frac{15}{100} = \frac{\square}{\square}$$

$$\frac{48}{18} = \frac{\square}{\square}$$

$$\frac{12}{60} = \frac{\square}{\square}$$

If 1 pint \approx 568 ml, how many litres are there in:

3 pints \approx l

11 pints \approx l

4.5 pints \approx l

100 pints \approx l

Add the correct comparison sign.

$>$ $=$ $<$

150° $\frac{2}{3}$ turn

60° $\frac{1}{10}$ turn

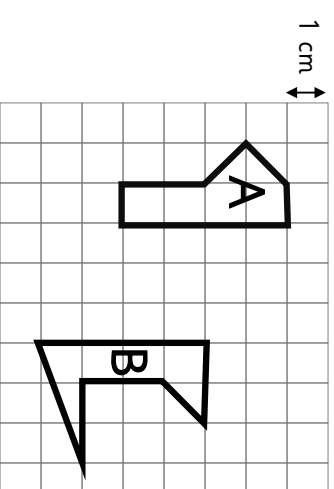
30° $\frac{1}{4}$ turn

Circle the models that represent $\frac{3}{5}$.

$451 \times 6 =$



Which shape has the greater area?

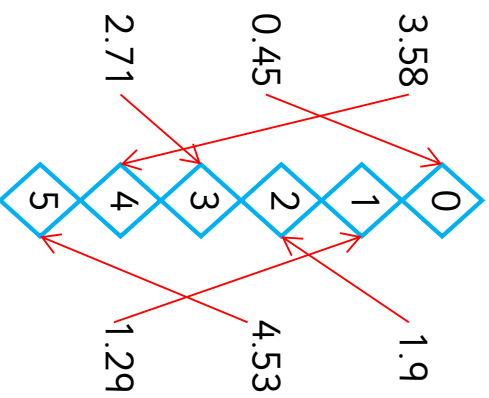


Area of A:

Area of B:

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Draw an arrow to match each number to its whole.



Simplify the fractions.

$$\frac{15}{100} = \frac{3}{20}$$

$$\frac{48}{18} = \frac{8}{3}$$

$$\frac{12}{60} = \frac{1}{5}$$

If 1 pint \approx 568 ml, how many litres are there in:

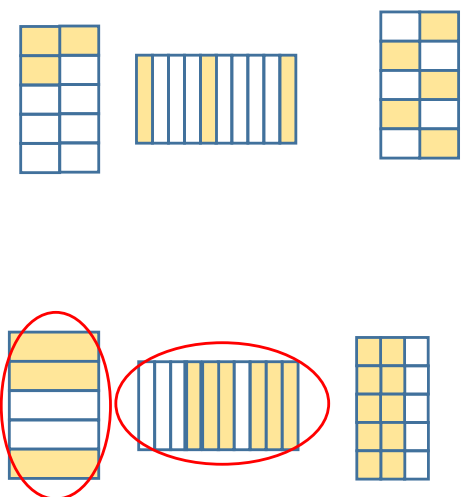
- 3 pints \approx 1,704 l
- 11 pints \approx 6,248 l
- 4.5 pints \approx 2,556 l
- 100 pints \approx 56,800 l

Add the correct comparison sign.

> < =

- 150° < $\frac{2}{3}$ turn
- 60° > $\frac{1}{10}$ turn
- 30° < $\frac{1}{4}$ turn

Circle the models that represent $\frac{3}{5}$.

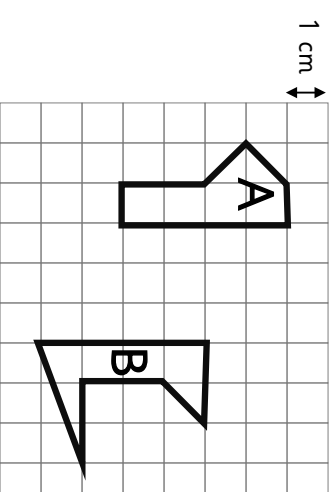


451 x 6 =

1,617

$$\begin{array}{r} 451 \\ \times 6 \\ \hline 2706 \end{array}$$

Which shape has the greater area?



Area of A: 5 cm²

=

Area of B: 5 cm²