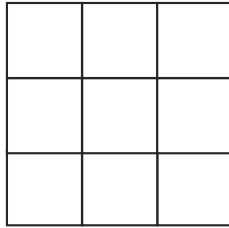


# Maths Activity Mat 1

1

Work out the area of this shape.

**a**



\_\_\_\_\_

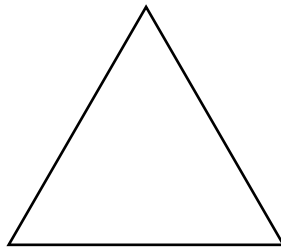
Each parcel weighs 500g.  
What is the weight of four parcels in grams?

**b**

\_\_\_\_\_

Draw all the lines of symmetry.  
How many lines of symmetry does the shape have?

**c**



Write these fractions as decimals.

**d**

$$\frac{4}{10}$$

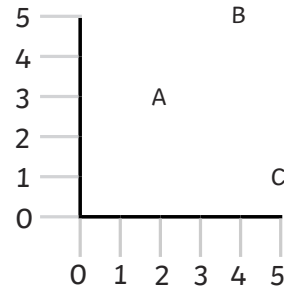
$$\frac{3}{4}$$

$$\frac{1}{4}$$

Write the coordinates for:

**e**

A  
B  
C



How many hours in:

**f**

one day \_\_\_\_\_

one and a quarter days \_\_\_\_\_

Solve the following using column multiplication.

**g**

$$\begin{array}{r} \pounds \quad \quad \quad 0.64 \\ \times \quad \quad \quad 5 \\ \hline \pounds \quad \quad \quad \quad \quad \end{array}$$

$$\begin{array}{r} \pounds \quad \quad \quad 0.39 \\ \times \quad \quad \quad 6 \\ \hline \pounds \quad \quad \quad \quad \quad \end{array}$$

I think of a number.  
I divide it by ten.  
I add eight.  
The answer is 12.

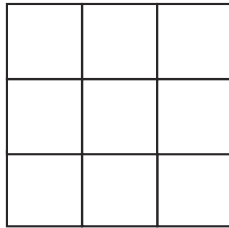
**h**

What was my number? \_\_\_\_\_

# Maths Activity Mat 1 Answers

1

Work out the area of this shape.



9cm<sup>2</sup>

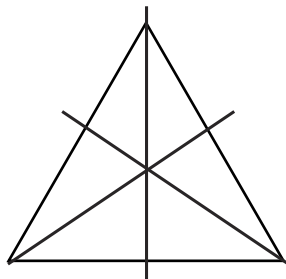
a

Each parcel weighs 500g.  
What is the weight of four parcels in grams?

2000g

b

Draw all the lines of symmetry.  
How many lines of symmetry does the shape have?



c

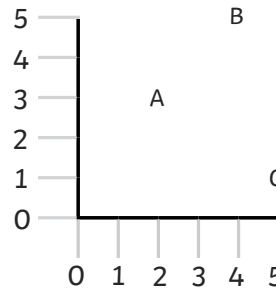
Write these fractions as decimals.

$$\frac{4}{10} \quad \mathbf{0.4} \quad \frac{3}{4} \quad \mathbf{0.75} \quad \frac{1}{4} \quad \mathbf{0.25}$$

d

Write the coordinates for:

- A (2,3)
- B (4,5)
- C (5,1)



e

How many hours in:

- one day **24 hours**
- one and a quarter days **30 hours**

f

Solve the following using column multiplication.

$$\begin{array}{r} \text{£} \quad \quad \quad 0.64 \\ \times \quad \quad \quad 5 \\ \hline \text{£} \quad \quad \quad 3.20 \end{array}$$

$$\begin{array}{r} \text{£} \quad \quad \quad 0.39 \\ \times \quad \quad \quad 6 \\ \hline \text{£} \quad \quad \quad 2.34 \end{array}$$

g

I think of a number.  
I divide it by ten.  
I add eight.  
The answer is 12.

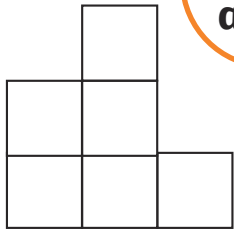
What was my number? **40**

h

# Maths Activity Mat 1

1

Work out the area of this shape.



**a**

\_\_\_\_\_

Write these fractions as decimals.

$$\frac{78}{100}$$

$$\frac{29}{100}$$

$$\frac{6}{10}$$

**d**

Solve the following using column multiplication.

$$\begin{array}{r} \text{£} \quad 7.58 \\ \times \quad 2 \\ \hline \end{array}$$

$$\times \quad \underline{\hspace{2cm}}$$

$$\text{£} \quad \underline{\hspace{2cm}}$$

$$\begin{array}{r} \text{£} \quad 6.97 \\ \times \quad 3 \\ \hline \end{array}$$

$$\times \quad \underline{\hspace{2cm}}$$

$$\text{£} \quad \underline{\hspace{2cm}}$$

**g**

A pie weighs 1200g.  
A larger pie weighs 735g more.  
What is the weight of the larger pie in grams?

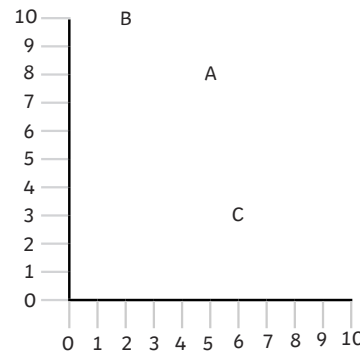
What would this be in kilograms and grams?

\_\_\_\_\_

**b**

Write the coordinates for:

A  
B  
C



**e**

How many minutes are left in the hour if the time is:

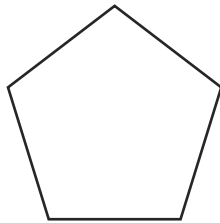
4.25 \_\_\_\_\_

11.40 \_\_\_\_\_

9.10 \_\_\_\_\_

**f**

Draw all the lines of symmetry. How many lines of symmetry does the shape have?



**c**

**h**

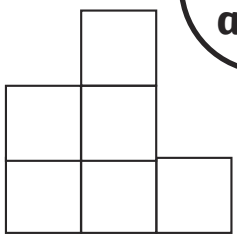
$$\boxed{\hspace{2cm}} \times 5 + 8 = 68$$

$$30 \div 3 \times \boxed{\hspace{2cm}} = 50$$

# Maths Activity Mat 1 Answers

**a**

Work out the area of this shape.



**6cm<sup>2</sup>**

**d**

Write these fractions as decimals.

$\frac{78}{100}$  **0.78**     $\frac{29}{100}$  **0.29**     $\frac{6}{10}$  **0.6**

**g**

Solve the following using column multiplication.

$$\begin{array}{r} \text{£} \quad \quad 7.58 \\ \times \quad \quad \quad 2 \\ \hline \text{£} \quad \quad 15.16 \end{array}$$

$$\begin{array}{r} \text{£} \quad \quad 6.97 \\ \times \quad \quad \quad 3 \\ \hline \text{£} \quad \quad 20.91 \end{array}$$

**b**

A pie weighs 1200g.  
A larger pie weighs 735g more.  
What is the weight of the larger pie in grams?

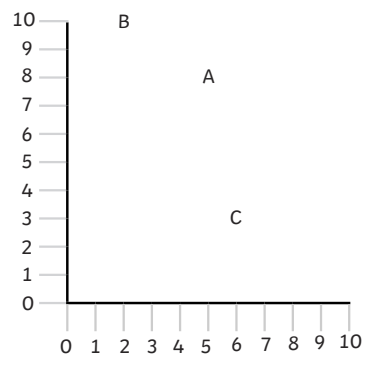
**1935g**

What would this be in kilograms and grams?

**1kg 935g**

**e**

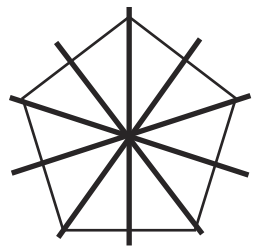
Write the coordinates for:



A **(5,8)**  
B **(2,10)**  
C **(6,3)**

**c**

Draw all the lines of symmetry.  
How many lines of symmetry does the shape have?



**f**

How many minutes are left in the hour if the time is:

4.25 **35 minutes**  
11.40 **20 minutes**  
9.10 **50 minutes**

**h**

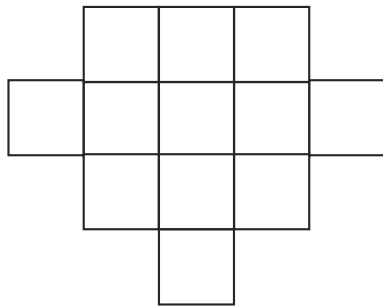
$\times 5 + 8 = 68$

$30 \div 3 \times$    $= 50$

# Maths Activity Mat 1

Work out the area of this shape.

**a**



\_\_\_\_\_

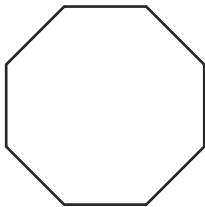
A can of oil holds one litre. 55ml is used. How much oil is left in millilitres?

**b**

\_\_\_\_\_

Draw all the lines of symmetry. How many lines of symmetry does the shape have?

**c**



Write these fractions as decimals.

**d**

2  $\frac{4}{10}$

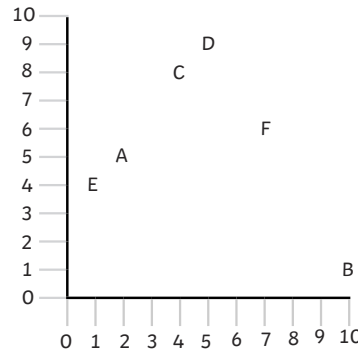
3  $\frac{28}{100}$

6  $\frac{1}{4}$

Write the coordinates for:

**e**

- A
- B
- C
- D
- E
- F



Write the following as years.

**f**

9 decades \_\_\_\_\_

a quarter of a century \_\_\_\_\_

26 weeks \_\_\_\_\_

Solve the following using column multiplication.

**g**

$$\begin{array}{r} \text{£} \quad 1847 \\ \times \quad \quad \quad 7 \\ \hline \\ \hline \end{array}$$

$$\begin{array}{r} \text{£} \quad 2196 \\ \times \quad \quad \quad 5 \\ \hline \\ \text{£} \quad \quad \quad \hline \end{array}$$

$$\boxed{\phantom{0000}} \div 12 \times 3 = 24$$

$$24 \times 3 - \boxed{\phantom{0000}} = 49$$

**h**

# Maths Activity Mat 1 Answers

**a** Work out the area of this shape.

**12cm<sup>2</sup>**

**d** Write these fractions as decimals.

2  $\frac{4}{10}$       **2.4**

3  $\frac{28}{100}$       **3.28**

6  $\frac{1}{4}$       **6.25**

**g** Solve the following using column multiplication.

$$\begin{array}{r} \text{£} \quad 1 \ 8 \ 4 \ 7 \\ \times \quad \quad \quad 7 \\ \hline 1 \ 2 \ 9 \ 2 \ 9 \end{array}$$
  

$$\begin{array}{r} \text{£} \quad 2 \ 1 \ 9 \ 6 \\ \times \quad \quad \quad 5 \\ \hline \text{£} \ 1 \ 0 \ 9 \ 8 \ 0 \end{array}$$

**b** A can of oil holds one litre. 55ml is used. How much oil is left in millilitres?

**945ml**

**e** Write the coordinates for:

A **(2,5)**  
 B **(10,1)**  
 C **(4,8)**  
 D **(5,9)**  
 E **(1,4)**  
 F **(7,6)**

**c** Draw all the lines of symmetry. How many lines of symmetry does the shape have?

**h**

$\div 12 \times 3 = 24$

$24 \times 3 -$    $= 49$

**f** Write the following as years.

9 decades **90 years**

a quarter of a century **25 years**

26 weeks  $\frac{1}{2}$  a year

# Maths Activity Mat 2

2

Solve this problem mentally.

Leonne buys a comic for 55p and pays with £1. How much change will she have?

\_\_\_\_\_

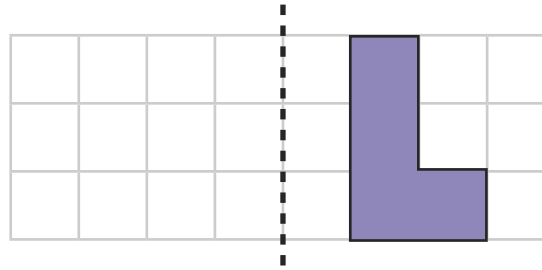
**a**

How many 5p coins in £25?

\_\_\_\_\_

**d**

Draw the reflection of this shape.



**e**

Write four multiples of 6.

\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_  
\_\_\_\_\_

**f**

What is another name for a five-sided polygon?

\_\_\_\_\_

**c**

Draw a bar chart on a separate piece of paper showing the favourite topics of Y4 children at Westward School.

Topic	Number of votes
Space	5
Dinosaurs	2
History	8
Jungle	3
Mountains	6

**g**

Match the numbers to the corresponding Roman numerals.

XXXV	24
XL	35
XXIV	40

**h**

# Maths Activity Mat 2

**a**

Solve this problem mentally.  
Leonne buys a comic for 55p and pays with £1. How much change will she have?

**45p**

**b**

$40 \div \boxed{100} = 0.4$

$91 \div \boxed{10} = 9.1$

$6 \div \boxed{10} = 0.6$

**c**

What is another name for a five-sided polygon?

**pentagon**

**d**

How many 5p coins in £25?

**500**

**e**

Draw the reflection of this shape.

**f**

Write four multiples of 6.

**Any four multiples of 6:  
6, 12, 18, 24, 30, 36, 42, 48, 54,  
60, 66, 72 etc.**

**g**

Draw a bar chart on a separate piece of paper showing the favourite topics of Y4 children at Westward School.

Topic	Number of votes
Space	5
Dinosaurs	2
History	8
Jungle	3
Mountains	6

**An accurate bar chart displaying the necessary information.**

**h**

Match the numbers to the corresponding Roman numerals.

XXXV → 24  
XL → 35  
XXIV → 40



# Maths Activity Mat 2

**a**

Solve this problem mentally.  
Sunil pays £39 for a train fare and £76 for a hotel room. How much does he pay altogether?

\_\_\_\_\_

**b**

$\div 100 = 0.07$

$\div 10 = 0.8$

$\div 100 = 0.23$

**c**

Draw a triangle with an obtuse angle.

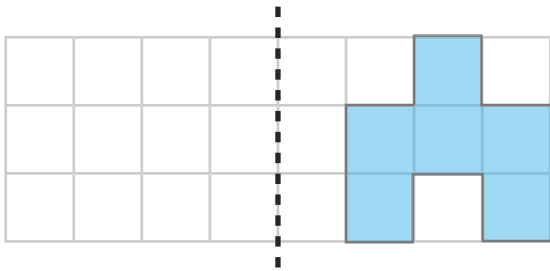
**d**

How many 20p coins in £40?

\_\_\_\_\_

**e**

Draw the reflection of this shape.



**f**

Write four multiples of 9.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**g**

Members of a sports academy were asked which sports they preferred. Use their responses to draw a horizontal bar chart labelled in fives.

Sport	Number of choices
Swimming	25
Football	40
Netball	35
Hockey	20
Cricket	55

**h**

Write the Roman numerals for these numbers.

94

48

63

# Maths Activity Mat 2 Answers

2

Solve this problem mentally.

Sunil pays £39 for a train fare and £76 for a hotel room. How much does he pay altogether?

**£115**

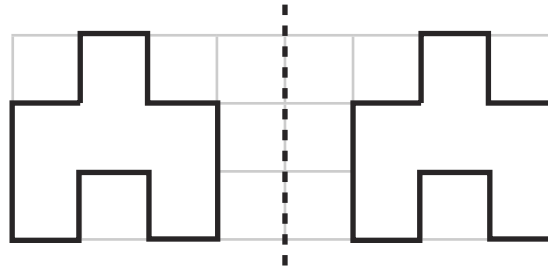
a

How many 20p coins in £40?

**200**

d

Draw the reflection of this shape.



e

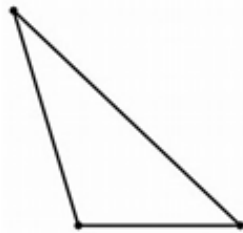
Write four multiples of 9.

**9, 18, 27, 36, 45, 54, 63, 72, 81, 90, 99, 108 etc.**

f

Draw a triangle with an obtuse angle.

**Possible answer**



c

Members of a sports academy were asked which sports they preferred. Use their responses to draw a horizontal bar chart labelled in fives.

Sport	Number of choices
Swimming	25
Football	40
Netball	35
Hockey	20
Cricket	55

**An accurate horizontal bar chart displaying the necessary information.**

g

Write the Roman numerals for these numbers.

94 **XCIV**

48 **XLVIII**

63 **LXIII**

h

# Maths Activity Mat 2

**a**

Solve this problem mentally.

Lee pays £600 for a year's gym membership. The cost is shared equally over 12 months. How much does it cost him each month?

\_\_\_\_\_

**b**

Multiply these numbers by 100.

145.1

30.6

Divide these numbers by 100.

5195

2920

**c**

Draw a quadrilateral with one line of symmetry and two angles greater than 90°.

**d**

How many 5p coins in £100?

\_\_\_\_\_

**e**

Draw the reflection of this shape.

**f**

Write four multiples of 25.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**g**

The number of drinks sold in a supermarket were recorded. Use the results to create a vertical bar chart labelled in hundreds.

Drink	Number of sales
Lemonade	500
Cola	250
Orange	850
Apple	300
Water	650

**h**

Write these numbers as Roman numerals.

212

678

724

# Maths Activity Mat 2 Answers

2

Solve this problem mentally.

Lee pays £600 for a year's gym membership. The cost is shared equally over 12 months. How much does it cost him each month?

**£50**

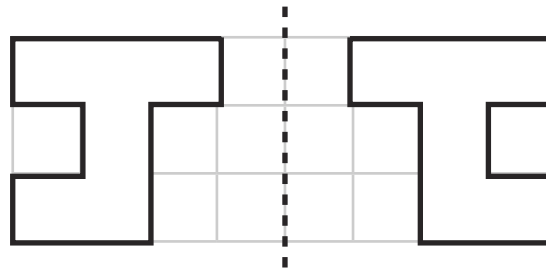
**a**

How many 5p coins in £100?

**2000**

**d**

Draw the reflection of this shape.



**e**

Multiply these numbers by 100.

**14 510**

**3060**

Divide these numbers by 100.

**51.95**

**29.2**

**b**

Write four multiples of 25.

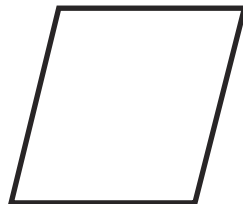
**Any four multiples of 25:**

**25, 50, 75, 100, 125, 150, 175, 200, 225, 250 etc.**

**f**

Draw a quadrilateral with one line of symmetry and two angles greater than 90°.

**Possible answer**



**c**

The number of drinks sold in a supermarket were recorded. Use the results to create a vertical bar chart labelled in hundreds.

Drink	Number of sales
Lemonade	500
Cola	250
Orange	850
Apple	300
Water	650

**An accurate vertical bar chart displaying the necessary information.**

**g**

Write these numbers as Roman numerals.

212 **CCXII**

678 **DCLXXVIII**

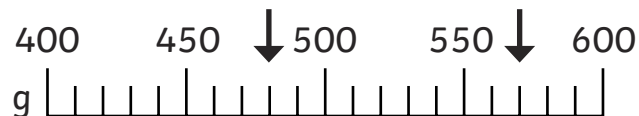
724 **DCCXXIV**

**h**

# YMaths Activity Mat 3

3

**a** Write the measurements shown by each arrow in grams.



\_\_\_\_\_

**d** A pile of eight identical books are 24cm tall. How wide is each book in mm?

\_\_\_\_\_

**g** Using the formulae  $P = 2(a+b)$ , work out the perimeter of this shape. Show your workings.

\_\_\_\_\_



**b** Use the distributive law to find the product for this multiplication calculation.

$$71 \times 2$$

$$\square \times \square + \square \times \square$$

$$\square + \square = \square$$

**e** Start at  $\frac{5}{10}$

Count on 3 tenths.

What fraction have you reached?

\_\_\_\_\_

**f** A baker bakes 60 buns.

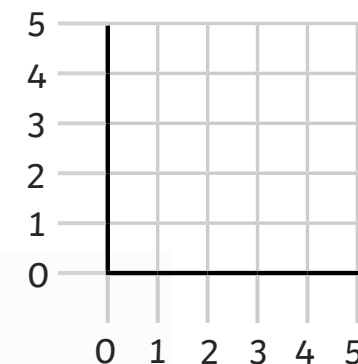
18 are sold in the morning and 32 are sold in the afternoon. How many buns are left?

\_\_\_\_\_

**h** Plot and join these points to identify the shape:

$(4,1)(4,3)(1,3)(1,1)$

The shape is a \_\_\_\_\_



**c** Put a cross through the number that is not a multiple of six.

36, 30, 25, 18, 24, 42

# Maths Activity Mat 3 Answers

**a**

Write the measurements shown by each arrow in grams.

400    450    ↓ 500    550    ↓ 600  
g

**480g, 570g**

**b**

Use the distributive law to find the product for this multiplication calculation.

$$71 \times 2$$
$$\boxed{70} \times \boxed{2} + \boxed{1} \times \boxed{2}$$
$$\boxed{140} + \boxed{2} = \boxed{142}$$

**c**

Put a cross through the number that is not a multiple of six.

36, 30, ~~25~~, 18, 24, 42

**d**

A pile of eight identical books are 24cm tall. How wide is each book in mm?

**30mm**

**e**

Start at  $\frac{5}{10}$   
Count on 3 tenths.  
What fraction have you reached?

$\frac{8}{10}$

**f**

A baker bakes 60 buns.  
18 are sold in the morning and 32 are sold in the afternoon. How many buns are left?

**10**

**g**

Using the formulae  $P = 2(a+b)$ , work out the perimeter of this shape. Show your workings.

$$2 \times (10 + 5) = 30m$$

5m  
10m

**h**

Plot and join these points to identify the shape:  
(4,1)(4,3)(1,3)(1,1)

The shape is a **rectangle**

# Maths Activity Mat 3

**a** Write the measurements shown by each arrow in grams.

\_\_\_\_\_

**d** Each piece of toy train track is 30cm long. How long would 12 pieces be altogether in centimetres?

\_\_\_\_\_

**g** If the length of one side of a rectangle is 8cm and the perimeter is 28cm, what is the width and area of the rectangle?

\_\_\_\_\_

**b** Use the distributive law to find the product for this multiplication calculation.

$54 \times 4$

$\square \times \square + \square \times \square$

$\square + \square = \square$

**e** Start at  $\frac{48}{100}$   
Count on 7 hundredths.  
What fraction have you reached?

\_\_\_\_\_

**h** Plot and join these points to identify the shape:  
(1,5)(2,2)(4,2)(5,5)(4,7)(2,7)(1,5)

The shape is a \_\_\_\_\_

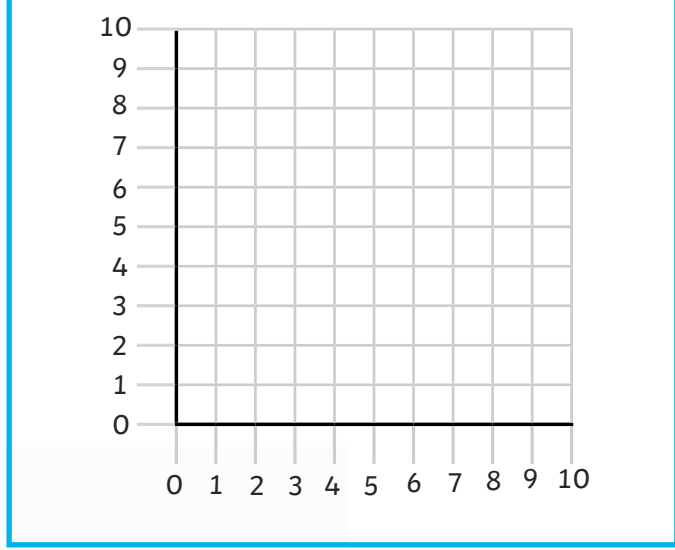
**c** Put a cross through the number that is not a multiple of nine.

36, 24, 72, 18, 108, 81, 45, 63,

**f** For lunch, Frankie can choose from:  
five choices of sandwich  
four choices of drink  
three choices of fruit.

How many different lunches could he have?

\_\_\_\_\_



# Maths Activity Mat 3 Answers

**a**

Write the measurements shown by each arrow in grams.

**740g, 820g**

**b**

Use the distributive law to find the product for this multiplication calculation.

$$54 \times 4$$

$$\boxed{50} \times \boxed{4} + \boxed{4} \times \boxed{4}$$

$$\boxed{200} + \boxed{16} = \boxed{216}$$

**c**

Put a cross through the number that is not a multiple of nine.

36, ~~74~~, 72, 18, 108, 81, 45, 63,

**d**

Each piece of toy train track is 30cm long. How long would 12 pieces be altogether in centimetres?

**360cm**

**e**

Start at  $\frac{48}{100}$   
Count on 7 hundredths.  
What fraction have you reached?

$$\frac{55}{100}$$

**f**

For lunch, Frankie can choose from:

- five choices of sandwich
- four choices of drink
- three choices of fruit.

How many different lunches could he have?

**60**

**g**

If the length of one side of a rectangle is 8cm and the perimeter is 28cm, what is the width and area of the rectangle?

**width 6cm, area 48cm<sup>2</sup>**

**h**

Plot and join these points to identify the shape:

(1,5)(2,2)(4,2)(5,5)(4,7)(2,7)(1,5)

The shape is a **hexagon**.



# Maths Activity Mat 3

**a** Write the measurements shown by each arrow in kilograms and grams.

\_\_\_\_\_

**b** Use the distributive law to find the product for this multiplication calculation.

$48 \times 9$

$\square \times \square + \square \times \square$

$\square + \square = \square$

**c** Put a cross through the number that is not a multiple of 12.

84, 36, 72, 24, 144, 12, 132, 48, 97,

**d** A row of 20 carpet tiles is nine metres long. How wide is one tile in centimetres?

\_\_\_\_\_

**e** Start at  $\frac{93}{100}$   
Count back 7 tenths.  
What fraction have you reached?

\_\_\_\_\_

**f** Jasbir has two suits, five shirts and 12 ties. How many times could he dress differently before needing to wear the same combination of suit, shirt and tie?

\_\_\_\_\_

**g** If the perimeter of a rectangle is 50cm and the area is  $24\text{cm}^2$ , what is the width and length of the sides?

\_\_\_\_\_

**h** Plot and join these points to identify the shape:  
(8,3)(7,5)(5,5)(5,7)(4,9)(5,10)(8,10)

The shape is a \_\_\_\_\_

# Maths Activity Mat 3 Answers

**a**

Write the measurements shown by each arrow in kilograms and grams.

7600g    7.6kg  
8800g    8.8kg

**b**

Use the distributive law to find the product for this multiplication calculation.

$48 \times 9$

$40 \times 9 + 8 \times 9$

$360 + 72 = 432$

**c**

Put a cross through the number that is not a multiple of 12.

84, 36, 72, 24, 144, 12, 132, 48, ~~97~~,

**d**

A row of 20 carpet tiles is nine metres long. How wide is one tile in centimetres?

**45cm**

**e**

Start at  $\frac{93}{100}$   
Count back 7 tenths.  
What fraction have you reached?

$\frac{23}{100}$

**f**

Jasbir has two suits, five shirts and 12 ties. How many times could he dress differently before needing to wear the same combination of suit, shirt and tie?

**120**

**g**

If the perimeter of a rectangle is 50cm and the area is  $24\text{cm}^2$ , what is the width and length of the sides?

**length 24cm, width 1cm**

**h**

Plot and join these points to identify the shape:  
 $(8,3)(7,5)(5,5)(5,7)(4,9)(5,10)(8,10)$

The shape is a **heptagon**.

# Maths Activity Mat 4

**a**

Circle the equivalent statement:

$5 \times (3+7)$  is equivalent to:

- $5 + 3 \times 5 + 7$
- $5 + (3 \times 7)$
- $5 \times 3 + 5 \times 7$
- $5 \times 3 \times 7$

**d**

Complete:

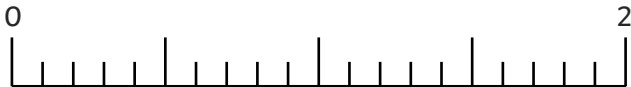
$$\begin{array}{r} 427 \\ - 291 \\ \hline \end{array}$$
  
$$\begin{array}{r} 673 \\ + 243 \\ \hline \end{array}$$

**g**

Draw a right-angled triangle.

**b**

Place these decimals in the correct position on the line.



1.1, 0.4, 1.9, 1.0, 0.7, 1.3

**e**

$\times 10 = 50$

$\div 3 = 5$

$\times 5 = 35$

$\div 2 = 12$

**h**

Assembly begins at 8:55 and ends at 9:25. How long does the assembly last?

\_\_\_\_\_

**c**

Add 100 to these numbers:

375 \_\_\_\_\_

291 \_\_\_\_\_

678 \_\_\_\_\_

**f**

Debbie builds six squares and four triangles with straws. How many straws does she use?

\_\_\_\_\_

# Maths Activity Mat 4 Answers

**a**

Circle the equivalent statement:

$5 \times (3+7)$  is equivalent to:

- $5 + 3 \times 5 + 7$
- $5 + (3 \times 7)$
- $5 \times 3 + 5 \times 7$
- $5 \times 3 \times 7$

**b**

Place these decimals in the correct position on the line.

0 0.4 0.7 1.0 1.1 1.3 1.9 2

1.1, 0.4, 1.9, 1.0, 0.7, 1.3

**c**

Add 100 to these numbers:

**475**

**391**

**778**

**d**

Complete:

$$\begin{array}{r} 427 \\ - 291 \\ \hline 136 \end{array}$$
$$\begin{array}{r} 673 \\ + 243 \\ \hline 916 \end{array}$$

**e**

$\times 10 = 50$

$\div 3 = 5$

$\times 5 = 35$

$\div 2 = 12$

**f**

Debbie builds six squares and four triangles with straws. How many straws does she use?

**36**

**g**

Draw a right-angled triangle.

**A correctly drawn right-angled triangle.**

**h**

Assembly begins at 8:55 and ends at 9:25. How long does the assembly last?

**30 minutes**

# Maths Activity Mat 4

**a**

Circle the equivalent statement:

$11 \times (3 + 7)$  is equivalent to:

- $11 \times 3 + 11 \times 7$
- $11 \times 3 \times 7$
- $11 + 3 \times 11 + 7$
- $11 + (3 \times 7)$

**d**

Complete:

$$\begin{array}{r} 4\ 9\ 5\ 3 \\ +\ 1\ 7\ 8\ 9 \\ \hline \\ \hline \end{array}$$
$$\begin{array}{r} 7\ 3\ 4\ 0 \\ -\ 4\ 8\ 3\ 7 \\ \hline \\ \hline \end{array}$$

**g**

Draw two scalene triangles.

**b**

Place these decimals in the correct position on the line.

1.09                      1.05

1.07, 1.01, 1.03, 1.0,

**e**

$\times 8 = 32$

$\div 4 = 3$

$\times 12 = 36$

$\div 5 = 8$

**c**

What needs to be added or subtracted to change the first number into the second number in each pair?

2703 to 7703 \_\_\_\_\_

4159 to 4859 \_\_\_\_\_

6204 to 6264 \_\_\_\_\_

**f**

A carpenter buys six packets of screws. He uses 120 screws and has 48 screws remaining. How many screws did each packet contain to start with?

\_\_\_\_\_

**h**

A jacket potato needs 50 minutes to cook. It needs to be ready for 12:30. What time does it need to go in the oven?

\_\_\_\_\_

# Maths Activity Mat 4 Answers

**a**

Circle the equivalent statement:

$11 \times (3 + 7)$  is equivalent to:

1.  $11 \times 3 + 11 \times 7$

2.  $11 \times 3 \times 7$

3.  $11 + 3 \times 11 + 7$

4.  $11 + (3 \times 7)$

**b**

Place these decimals in the correct position on the line.

1.09    1.07    1.05    1.03    1.01    1.0

1.07, 1.01, 1.03, 1.0,

**c**

What needs to be added or subtracted to change the first number into the second number in each pair?

+ 5000

+ 700

+ 60

**d**

Complete:

$$\begin{array}{r} 4953 \\ + 1789 \\ \hline 6742 \end{array}$$
$$\begin{array}{r} 7340 \\ - 4837 \\ \hline 2503 \end{array}$$

**e**

$\times 8 = 32$

$\div 4 = 3$

$\times 12 = 36$

$\div 5 = 8$

**f**

A carpenter buys six packets of screws. He uses 120 screws and has 48 screws remaining. How many screws did each packet contain to start with?

**28**

**g**

Draw two scalene triangles.

**Two correctly drawn scalene triangles.**

**h**

A jacket potato needs 50 minutes to cook. It needs to be ready for 12:30. What time does it need to go in the oven?

**11:40**

# Maths Activity Mat 4

4

Circle the equivalent statement:

**a**

$7 \times (9 + 6)$  is equivalent to:

- $7 + (9 \times 6)$
- $7 \times 9 + 7 \times 6$
- $7 + 9 \times 7 + 6$
- $7 \times 9 \times 6$

What number lies halfway between these numbers?

**b**

- 7.0 and 7.1 \_\_\_\_\_
- 3.5 and 4 \_\_\_\_\_
- 9.9 and 1.0 \_\_\_\_\_

What needs to be added or subtracted to change the first number into the second number in each pair?

**c**

- 24 173 to 31 173 \_\_\_\_\_
- 5908 to 5858 \_\_\_\_\_
- 9998 to 100 000 \_\_\_\_\_

Complete:

**d**

$$\begin{array}{r} 68469 \\ + 18734 \\ \hline \\ \\ \\ \\ \\ \end{array}$$
$$\begin{array}{r} 94182 \\ - 57988 \\ \hline \\ \\ \\ \\ \\ \end{array}$$

$90 \times 4 =$  \_\_\_\_\_

**e**

$110 \times 3 =$  \_\_\_\_\_

$280 \div 7 =$  \_\_\_\_\_

$960 \div 8 =$  \_\_\_\_\_

A cup of tea costs 75p. Mrs Jones buys three cups of tea. She pays with a £5 note. How much change will she receive?

**f**

\_\_\_\_\_

Draw three different isosceles triangles.

**g**

Kuba has watched a film for 97 minutes. It finished at 8:00. What time did it start?

**h**

\_\_\_\_\_

# Maths Activity Mat 4 Answers

4

Circle the equivalent statement: **a**

$7 \times (9 + 6)$  is equivalent to:

- $7 + (9 \times 6)$
- $7 \times 9 + 7 \times 6$
- $7 + 9 \times 7 + 6$
- $7 \times 9 \times 6$

What number lies halfway between these numbers? **b**

- 7.05**  
**3.75**  
**9.95**

What needs to be added or subtracted to change the first number into the second number in each pair? **c**

- + 7000**  
**- 50**  
**+ 90 002**

Complete: **d**

$$\begin{array}{r} 68469 \\ + 18734 \\ \hline 87203 \\ \hline \end{array}$$
  
$$\begin{array}{r} 94182 \\ - 57988 \\ \hline 36194 \\ \hline \end{array}$$

$90 \times 4 = 360$  **e**

$110 \times 3 = 330$

$280 \div 7 = 40$

$960 \div 8 = 120$

A cup of tea costs 75p. Mrs Jones buys three cups of tea. She pays with a £5 note. How much change will she receive? **f**

**£2.75**

Draw three different isosceles triangles. **g**

**Three different isosceles triangles will be drawn.**

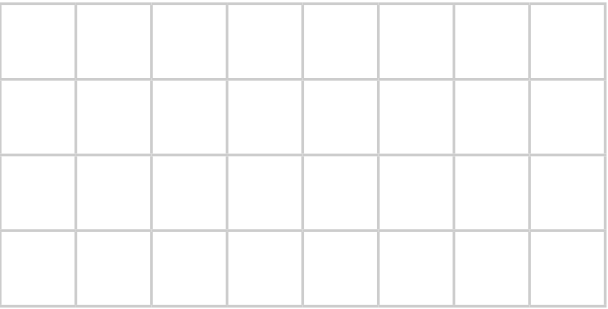
Kuba has watched a film for 97 minutes. It finished at 8:00. What time did it start? **h**

**6:23**



# Maths Activity Mat 5

**a** On the 1cm squared paper, draw a rectangle with sides of 6cm and 2cm, and work out the perimeter.




---

**b** 48 litres + 23 litres =  
700g +  = 1kg

**c** Connie buys a present and card for £9.74.  
The card costs £1.29. How much does the present cost?

---

**d** Which letter is at point:  
(1,3) \_\_\_\_\_  
(5,1) \_\_\_\_\_  
(0,4) \_\_\_\_\_  
(3,5) \_\_\_\_\_

5	G		Y	W		M
4	P	F		Z	S	I
3		R	L		A	X
2	V	J	E		O	
1	B	C	N	H		T
0		U		Q	K	D
	0	1	2	3	4	5

**e** £  $\frac{8}{10}$  =  p  
£  $\frac{1}{10}$  = £  = 20p

**f** Write four number statements, including + or - signs for these numbers: **66, 39, 27**

---



---



---



---

**g** There are 87 children in Y4.  
One third of the children walk to school. How many walk to school?

---

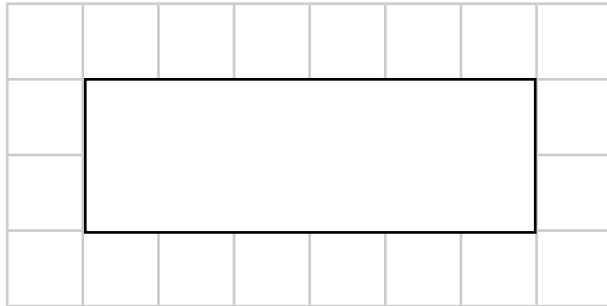
**h** Graeme painted 421 paintings.  
He sold 259 of them.  
How many did he have left to sell?

---

# Maths Activity Mat 5 Answers

5

**a**  
On the 1cm squared paper, draw a rectangle with sides of 6cm and 2cm, and work out the perimeter.



16cm

**b**  
48 litres + 23 litres = **71 litres**

700g +  = 1kg

**c**  
Connie buys a present and card for £9.74.

The card costs £1.29. How much does the present cost?

**£8.45**

**d**  
Which letter is at point:

(1,3) **R**

(5,1) **D**

(0,4) **P**

(3,5) **W**

5	G		Y	W		M
4	P	F		Z	S	I
3		R	L		A	X
2	V	J	E		O	
1	B	C	N	H		T
0		U		Q	K	D
	0	1	2	3	4	5

**f**  
Write four number statements, including + or - signs for these numbers: **66, 39, 27**

$$39 + 27 = 66$$

$$66 - 39 = 27$$

$$66 - 27 = 39$$

$$27 + 39 = 66$$

**g**  
There are 87 children in Y4.

One third of the children walk to school. How many walk to school?

**29**

**e**  
 $£ \frac{8}{10} =$

$£ \frac{2}{10} =$   = 20p

**h**  
Graeme painted 421 paintings. He sold 259 of them.

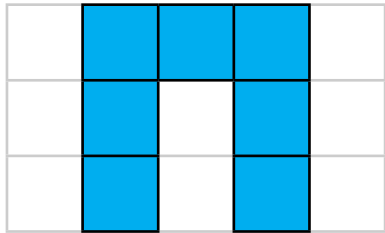
How many did he have left to sell?

**162**

# Maths Activity Mat 5

5

**a** Work out the perimeter of this shape which has been drawn on 1cm squared paper.



\_\_\_\_\_

1.3m –  = 95cm

1.1 litres –  = 450ml

**c** Jamie has £61.75. He spends £28.92. How much money does he have left?

\_\_\_\_\_

**d** Write the name spelled out using these coordinates:

(5,1), (4,2), (0,1), (2,5)

(1,2), (4,3), (5,0), (2,2)

5	G		Y	W		M
4	P	F		Z	S	I
3		R	L		A	X
2	V	J	E		O	
1	B	C	N	H		T
0		U		Q	K	D
	0	1	2	3	4	5

$\frac{2}{10} + \frac{3}{100} = \frac{\quad}{100} = 0.23$

$\frac{8}{10} + \frac{\quad}{100} = \frac{85}{100} = 0.85$

**f** With this fact in mind,  $14 - 8 = 6$ , write a related fact with the answer 6000.

\_\_\_\_\_  
\_\_\_\_\_

**g** There are 144 people who went swimming at the local leisure centre on Saturday morning.

Four ninths were male.

How many were female?

\_\_\_\_\_

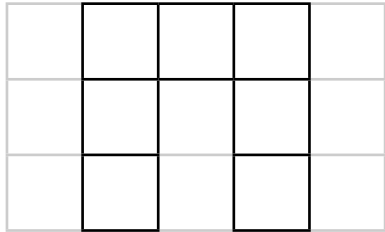
**h** In one year at a caravan site, 3218 caravans and 5219 motorhomes stayed for one night. How many more motorhomes stayed than caravans?

\_\_\_\_\_

# Maths Activity Mat 5 Answers

5

Work out the perimeter of this shape which has been drawn on 1cm squared paper.



**16cm**

$$1.3\text{m} - \boxed{35\text{cm}} = 95\text{cm}$$

$$1.1 \text{ litres} - \boxed{650\text{ml}} = 450\text{ml}$$

Jamie has £61.75. He spends £28.92. How much money does he have left?

**£32.83**

Write the name spelled out using these coordinates:

(5,1), (4,2), (0,1), (2,5)

**TOBY**

(1,2), (4,3), (5,0), (2,2)

**JADE**

5	G		Y	W		M
4	P	F		Z	S	I
3		R	L		A	X
2	V	J	E		O	
1	B	C	N	H		T
0		U		Q	K	D
	0	1	2	3	4	5

$$\frac{2}{10} + \frac{3}{100} = \frac{23}{100} = 0.23$$

$$\frac{8}{10} + \frac{5}{100} = \frac{85}{100} = 0.85$$

With this fact in mind,  $14 - 8 = 6$ , write a related fact with the answer 6000.

$$\mathbf{14\ 000 - 8000 = 6000}$$

There are 144 people who went swimming at the local leisure centre on Saturday morning.

Four ninths were male.

How many were female?

**80**

In one year at a caravan site, 3218 caravans and 5219 motorhomes stayed for one night. How many more motorhomes stayed than caravans?

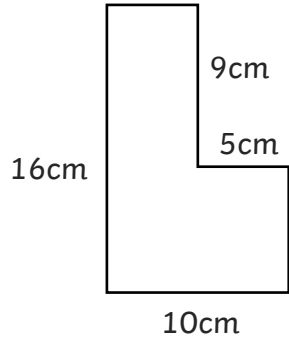
**2001**

# Maths Activity Mat 5

5

Work out the perimeter of this shape.

**a**



\_\_\_\_\_

1.34 litres -  = 760ml

**b**

1.56kg -  = 610g

Teresa spends £13.20 at the butchers, £6.47 at the grocers, and pays her newspaper bill which is £13.45.

**c**

How much has she spent altogether?

\_\_\_\_\_

Write the coordinates which spell these words:

**d**

WITCH \_\_\_\_\_

FRIEND \_\_\_\_\_

SCHOOL \_\_\_\_\_

5	G	Y	W	M		
4	P	F	Z	S		
3	R	L	A	X		
2	V	J	E	O		
1	B	C	N	H		
0	U	Q	K	D		
	0	1	2	3	4	5

With this fact in mind,  $9 - 5 = 4$ , write a related fact with an answer of 1.4.

**f**

\_\_\_\_\_  
\_\_\_\_\_

247 070 people entered the London marathon.

**g**

$\frac{7}{10}$  finished within three hours. How many people finished within three hours?

\_\_\_\_\_

Give the answer as a decimal.

**e**

$0.2 + \frac{1}{2} =$  \_\_\_\_\_

$\frac{9}{10} - 0.4 =$  \_\_\_\_\_

A driving test is taken by 62 406 people. 35 937 people pass the test. How many people did not pass?

**h**

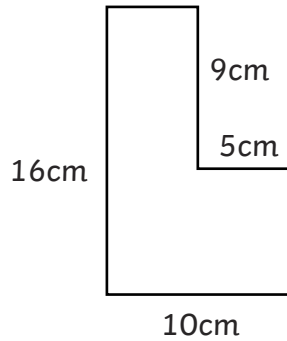
\_\_\_\_\_

# Maths Activity Mat 5 Answers

5

Work out the perimeter of this shape.

a



**52cm**

$$1.34 \text{ litres} - \boxed{580\text{ml}} = 760\text{ml}$$

b

$$1.56\text{kg} - \boxed{950\text{g}} = 610\text{g}$$

Teresa spends £13.20 at the butchers, £6.47 at the grocers, and pays her newspaper bill which is £13.45.

How much has she spent altogether?

**£33.12**

c

Write the coordinates which spell these words:

d

WITCH **(3,5)(5,4)(5,1)(1,1)(3,1)**

FRIEND **(1,4)(1,3)(5,4)(2,2)(2,1)(5,0)**

SCHOOL **(4,4)(1,1)(3,1)(4,2)(4,2)(2,3)**

5	G	Y	W	M		
4	P	F	Z	S	I	
3	R	L	A	X		
2	V	J	E	O		
1	B	C	N	H	T	
0	U	Q	K	D		
	0	1	2	3	4	5

Give the answer as a decimal.

e

$$0.2 + \frac{1}{2} = \mathbf{0.7}$$

$$\frac{9}{10} - 0.4 = \mathbf{0.5}$$

With this fact in mind,  $9 - 5 = 4$ , write a related fact with an answer of 1.4.

f

$$\mathbf{2.9 - 1.5 = 1.4}$$

247 070 people entered the London marathon.

g

$\frac{7}{10}$  finished within three hours. How many people finished within three hours?

**172 949**

A driving test is taken by 62 406 people. 35 937 people pass the test. How many people did not pass?

h

**26 469**

# Maths Activity Mat 6

**a**

$$3 \times 6 \times 10 = \boxed{\phantom{000}} \times 10$$
$$= \boxed{\phantom{000}}$$

**b**

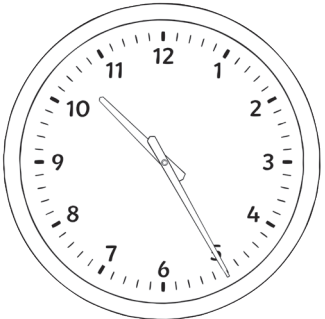
Write the following in 24-hour clock notation and words.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



night

**c**

Ten identical apples have a total weight of 1500g. What is the weight of one apple?

\_\_\_\_\_

**d**

What metric unit would you measure the capacity of:

A glass \_\_\_\_\_

A washing-up bowl \_\_\_\_\_

A cereal bowl \_\_\_\_\_

**e**

$$\frac{4}{5} = \frac{8}{\phantom{00}}$$
$$\frac{6}{9} = \frac{\phantom{00}}{12}$$

**f**

There are four yoghurts in a pack. How many packs are there if there are 24 yoghurts altogether?

\_\_\_\_\_

**g**

Explain to Gill how  $2 \times (9 + 5)$  equals  $2 \times 9 + 2 \times 5$ .

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**h**

Put a circle around the multiples of six.

12	36	25
48	38	18
40	56	79

# Maths Activity Mat 6 Answers

**a**

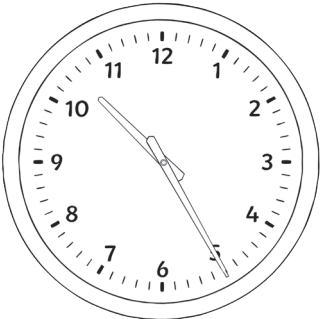
$$3 \times 6 \times 10 = \boxed{18} \times 10$$
$$= \boxed{180}$$

**b**

Write the following in 24-hour clock notation and words.

**twenty-five past ten**

**10.25pm**



**night**

**c**

Ten identical apples have a total weight of 1500g. What is the weight of one apple?

**150g**

**d**

What metric unit would you measure the capacity of:

A glass **ml**

A washing-up bowl **litres**

A cereal bowl **ml**

**e**

$$\frac{4}{5} = \frac{8}{10}$$
$$\frac{6}{9} = \frac{9}{12}$$

**f**

There are four yoghurts in a pack. How many packs are there if there are 24 yoghurts altogether?

**6 packs**

**g**

Explain to Gill how  $2 \times (9 + 5)$  equals  $2 \times 9 + 2 \times 5$ .

**Because**

$$2 \times 9 = 18$$
$$2 \times 5 = 10$$
$$18 + 10 = 28.$$
$$9 + 5 = 14$$
$$2 \times 14 = 28$$

**h**

Put a circle around the multiples of six.

<input checked="" type="checkbox"/> 12	<input checked="" type="checkbox"/> 36	25
<input checked="" type="checkbox"/> 48	38	<input checked="" type="checkbox"/> 18
40	56	79



# Maths Activity Mat 6

**a**

$4 \times 9 \times 4 =$

$3 \times 6 \times 12 =$

**b**

Write the following in 24-hour clock notation and words.

3:56 (night)

\_\_\_\_\_

\_\_\_\_\_

7:34 (morning)

\_\_\_\_\_

\_\_\_\_\_

**c**

A bag of crisps weighs 2.5kg. 850g is used. How much is left?

\_\_\_\_\_

**d**

What unit would you use to measure the following:

A bag of potatoes \_\_\_\_\_

A small carton of cream \_\_\_\_\_

A fingernail \_\_\_\_\_

**e**

Draw a diagram to show  $\frac{3}{4} = \frac{9}{12}$

**f**

A bill comes to £162. If nine people split the bill equally, how much do they each pay?

\_\_\_\_\_

**g**

Harvey says that  $3 \times (6 + 8)$  is equal to  $3 + 8 \times 3 + 6$ .

Is he correct?

Explain your reasoning.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**h**

Put a circle around the multiples of nine.

56	18	27
98	36	24
54	63	16

# Maths Activity Mat 6 Answers

6

$4 \times 9 \times 4 = 144$

$3 \times 6 \times 12 = 216$

a

Write the following in 24-hour clock notation and words.

3:56 (night)

**15.56**

**four minutes to four**

7:34 (morning)

**7.34**

**twenty-six minutes to eight**

b

A bag of crisps weighs 2.5kg. 850g is used. How much is left?

**1650g**

c

What unit would you use to measure the following:

A bag of potatoes **kg**

A small carton of cream **ml**

A fingernail **mm**

d

Draw a diagram to show  $\frac{3}{4} = \frac{9}{12}$

**Correct diagram showing  $\frac{3}{4} = \frac{9}{12}$**

e

A bill comes to £162. If nine people split the bill equally, how much do they each pay?

**£18**

f

Harvey says that  $3 \times (6 + 8)$  is equal to  $3 + 8 \times 3 + 6$ .

Is he correct?

Explain your reasoning.

**No it is equal to  $3 \times 6 + 3 \times 8$ .**

g

Put a circle around the multiples of nine.

56

18

27

98

36

24

54

63

16

h

# Maths Activity Mat 6

**a**

$\times 5 \times 4 = 60$

$3 \times$    $\times 7 = 126$

**b**

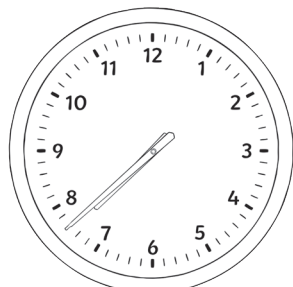
Write the time in words, 24-hour and 12-hour clock notation using am or pm.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_



night

**c**

One can of soup weighs 400g. What do 60 cans weigh in kg?

\_\_\_\_\_

**d**

Estimate and circle the following:

A can of drink holds 0.05l, 35ml, 0.35l

A coffee mug holds 0.2l, 2 litres, 20ml

A tablespoon holds 1ml, 0.0l, 100ml

**e**

Write three more fractions which are equivalent to the following fractions:

$$\frac{6}{21}$$
$$\frac{35}{42}$$

**f**

Cormac realises that as it is not a leap year, at the end of the day one fifth of the year will have passed. What is the date?

\_\_\_\_\_

**g**

Sian needs to know how to make 15, 3 and 8 into a number statement which uses the distributive law principle.

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

\_\_\_\_\_

**h**

Explain how you know that a number is a multiple of 25.

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# Maths Activity Mat 6 Answers

6

**a**


$\boxed{3} \times 5 \times 4 = 60$

$3 \times \boxed{6} \times 7 = 126$

**b**

Write the time in words, 24-hour and 12-hour clock notation using am or pm.

**7.38**  
**twenty-two minutes to eight**



**19.38**  
**7.38pm**  
night

**c**

One can of soup weighs 400g. What do 60 cans weigh in kg?

**24kg**

**d**

Estimate and circle the following:

A can of drink holds 0.05l, 35ml, **0.35l**

A coffee mug holds **0.2l**, 2 litres, 20ml

A tablespoon holds 1ml, **0.01l**, 100ml

**e**

Write three more fractions which are equivalent to the following fractions:

**Possible answers:**

$\frac{6}{21}$	$\frac{4}{14}$	$\frac{2}{7}$	$\frac{8}{28}$	$\frac{10}{35}$	$\frac{12}{42}$	etc.
$\frac{35}{42}$	$\frac{5}{6}$	$\frac{10}{12}$	$\frac{15}{18}$	$\frac{20}{24}$		etc.

**f**

Cormac realises that as it is not a leap year, at the end of the day one fifth of the year will have passed. What is the date?

**14th March**

**g**

Sian needs to know how to make 15, 3 and 8 into a number statement which uses the distributive law principle.

$15 \times (3 + 8) =$   
 $15 \times 3 + 15 \times 8 = 165$

$15 \times 3 = 45$   
 $15 \times 8 = 120$   
 $120 + 45 = 165$

**h**

Explain how you know that a number is a multiple of 25.

**All answers are divisible by 25.**

**They would all be in the 25 times table.**

**The amounts would be equally shared into 25 groups.**

**The ones place would either be a 5 or a 0.**