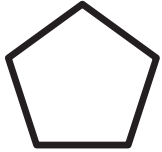


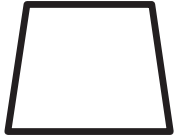
# Big Maths Beat That!: Teacher Notes

SAFE Challenge 9			
	Step Location in the SAFE framework		Title of Step
	Progress Drive	Step No.	
Q1	Shape: 2D Shapes	17	I can compare and sort many 2D shapes
Q2	Amounts: Amounts of Distance	7, 10	I can compare descriptions of distance in practical contexts and record the comparisons with symbols
	Amounts: Amounts of Mass	7, 10	I can compare descriptions of mass in practical contexts and record the comparisons with symbols
	Amounts: Amounts of Space	7, 10	I can compare descriptions of capacity in practical contexts and record the comparisons with symbols
Q3	Amounts: Amounts of Money	11	I can give change from a pound
Q4	Amounts: Amounts of Time	19	I can place different periods of time in order
Q5	Amounts: Amounts of Time: Telling The Time	8	I can tell the time!
Q6	Amounts: Amounts of Turn	5	I can recognise that a quarter turn is a right angle
Q7	Fractions: Fractions: Counting	4	I can count in quarters
Q8	Fractions: Fractions: Learn Its	3	I can quickly write out my fractions Learn Its $\frac{1}{2}$ of 10 = 5, $\frac{1}{2}$ of 8 = 4, $\frac{1}{2}$ of 6 = 3, $\frac{1}{2}$ of 4 = 2, $\frac{1}{2}$ of 2 = 1
Q9	Fractions: Fractions: Learn Its	4	I know all of my x2, x5, x10 tables as fractions Learn Its
Q10	Fractions: Fractions: It's Nothing New	3	I can add and subtract halves, quarters and thirds

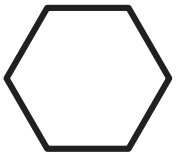
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

3 How much change from

£ 1



65p → \_\_\_\_\_

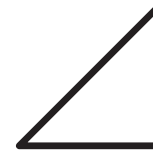
4 Tick the shortest amount of time

10  
Minutes

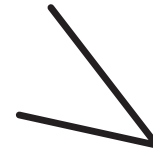
3  
Weeks

3  
Minutes

6 Tick the right angle








8  $\frac{1}{2}$  of 6 =

$\frac{1}{2}$  of 2 =

$\frac{1}{2}$  of 10 =

9  $\frac{1}{5}$  of 20 =

$\frac{1}{10}$  of 40 =

$\frac{1}{2}$  of 18 =

10  $\frac{3}{4} - \frac{1}{4} =$

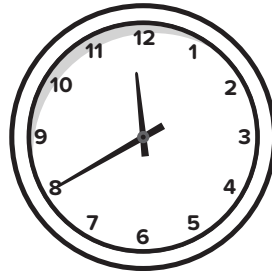
2 < or >

3m \_\_\_\_\_ 10cm

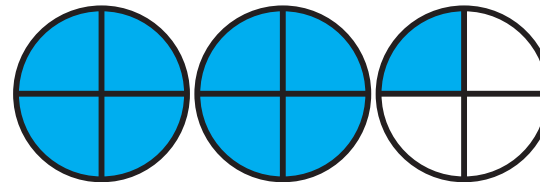
5g \_\_\_\_\_ 5kg

2L \_\_\_\_\_ 20ml

5 Write the time in digital 12 hour notation.




7 Write as a mixed number



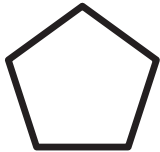
\_\_\_\_\_

MY LAST SCORE?! .....

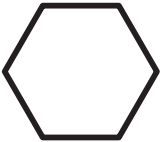
HAVE I BEAT THAT?! .....



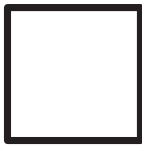
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

3 How much change from

£ 1



32p → \_\_\_\_\_

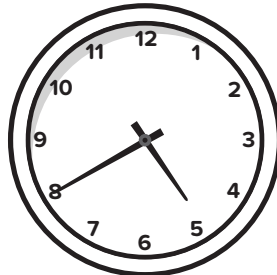
4 Tick the longest amount of time

10  
Weeks

3  
Months

1  
Year

5 Write the time in digital 12 hour notation.




6 Tick the right angle








8  $\frac{1}{2}$  of 8 =

$\frac{1}{2}$  of 6 =

$\frac{1}{2}$  of 4 =

9  $\frac{1}{5}$  of 40 =

$\frac{1}{10}$  of 20 =

$\frac{1}{2}$  of 16 =

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

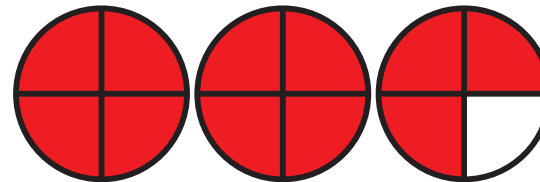
2 < or >

1m \_\_\_\_\_ 120cm

2kg \_\_\_\_\_ 70g

120ml \_\_\_\_\_ 3L

7 Write as a mixed number



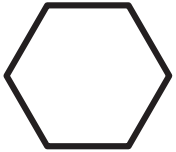
\_\_\_\_\_

MY LAST SCORE?! .....

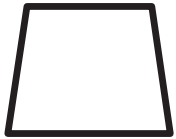
HAVE I BEAT THAT?! .....



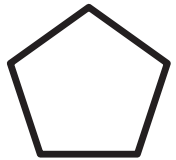
1 Draw a line from the shape to its name:



Hexagon



Pentagon



Quadrilateral

3 How much change from

£ 1

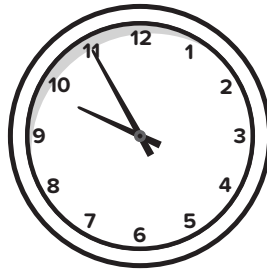


80p → \_\_\_\_\_

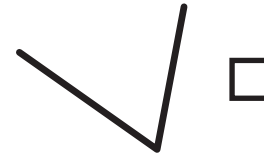
4 Tick the longest amount of time

2 Months	40 Days	50 Minutes
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5 Write the time in digital 12 hour notation.




6 Tick the right angle



8  $\frac{1}{2}$  of 2 =

$\frac{1}{2}$  of 6 =

$\frac{1}{2}$  of 8 =

9  $\frac{1}{5}$  of 45 =

$\frac{1}{10}$  of 70 =

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

10  $\frac{1}{4} + \frac{2}{4} =$

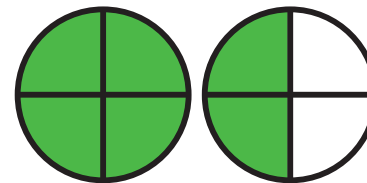
2 < or >

4kg \_\_\_\_\_ 450g

10m \_\_\_\_\_ 200cm

2L \_\_\_\_\_ 150ml

7 Write as a mixed number



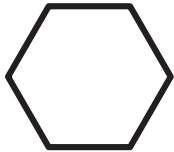
\_\_\_\_\_

MY LAST SCORE?! .....

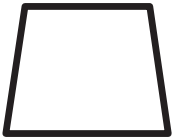
HAVE I BEAT THAT?! .....



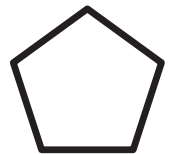
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

3 How much change from

£ 1



34p → \_\_\_\_\_

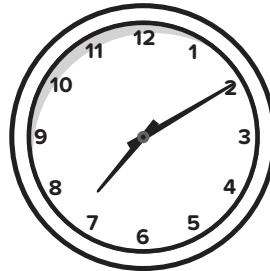
4 Tick the shortest amount of time

25  
Minutes

1  
year

2  
days

5 Write the time in digital 12 hour notation.




6 Tick the right angle








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

$\frac{1}{2}$  of 10 =

$\frac{1}{2}$  of 2 =

9  $\frac{1}{5}$  of 25 =

$\frac{1}{10}$  of 50 =

$\frac{1}{2}$  of 6 =

10  $\frac{2}{3} - \frac{1}{3} =$

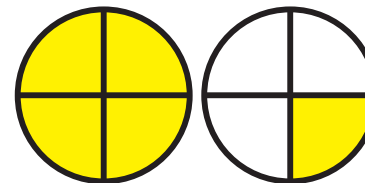
2 < or >

4L \_\_\_\_\_ 500ml

1kg \_\_\_\_\_ 10g

20cm \_\_\_\_\_ 1m

7 Write as a mixed number



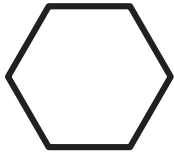
\_\_\_\_\_

MY LAST SCORE?! .....

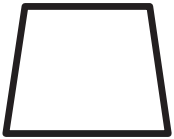
HAVE I BEAT THAT?! .....



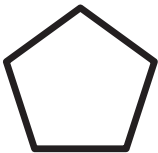
1 Draw a line from the shape to its name:



Pentagon



Hexagon



Quadrilateral

3 How much change from

£ 1



92p → \_\_\_\_\_

4 Tick the longest amount of time

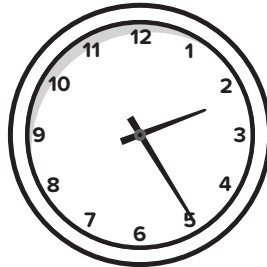
30  
Years

40  
Days

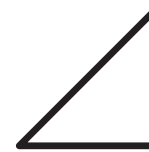
20  
Months



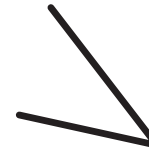

5 Write the time in digital 12 hour notation.




6 Tick the right angle








8  $\frac{1}{2}$  of 10 =

$\frac{1}{2}$  of 2 =

$\frac{1}{2}$  of 8 =

9  $\frac{1}{5}$  of 10 =

$\frac{1}{10}$  of 80 =

$\frac{1}{2}$  of 10 =

10  $\frac{1}{4} + \frac{1}{4} =$

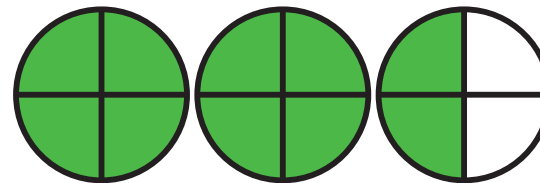
2 < or >

1200ml \_\_\_\_\_ 1L

50g \_\_\_\_\_ 50kg

5m \_\_\_\_\_ 50cm

7 Write as a mixed number



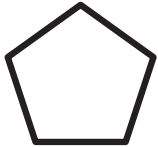
\_\_\_\_\_

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



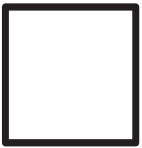
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

3 How much change from

£ 1



5p



\_\_\_\_\_

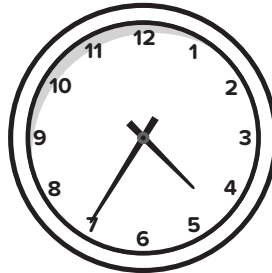
4 Tick the longest amount of time

2  
Minutes

10  
Seconds

1  
Day

5 Write the time in digital 12 hour notation.




6 Tick the right angle








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

$\frac{1}{2}$  of 8 =

$\frac{1}{2}$  of 6 =

9  $\frac{1}{5}$  of 50 =

$\frac{1}{10}$  of 60 =

$\frac{1}{2}$  of 18 =

10  $\frac{3}{4} - \frac{2}{4} =$

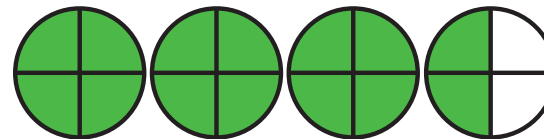
2 < or >

100ml \_\_\_\_\_ 150ml

2kg \_\_\_\_\_ 200g

5cm \_\_\_\_\_ 4m

7 Write as a mixed number



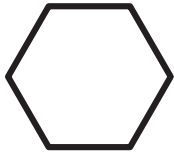
\_\_\_\_\_

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



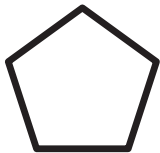
1 Draw a line from the shape to its name:



Pentagon



Hexagon



Quadrilateral

3 How much change from

£ 1



25p → \_\_\_\_\_

4 Tick the shortest amount of time

1  
Minute

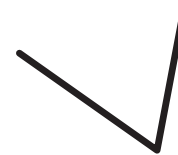
10  
Seconds

2  
Weeks

6 Tick the right angle








8  $\frac{1}{2}$  of 10 =

$\frac{1}{2}$  of 2 =

$\frac{1}{2}$  of 4 =

9  $\frac{1}{5}$  of 40 =

$\frac{1}{10}$  of 40 =

$\frac{1}{2}$  of 20 =

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

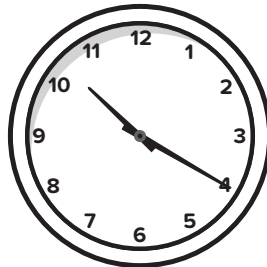
2 < or >

2L \_\_\_\_\_ 400ml

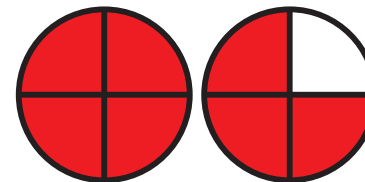
2kg \_\_\_\_\_ 1kg

1m \_\_\_\_\_ 10cm

5 Write the time in digital 12 hour notation.




7 Write as a mixed number



\_\_\_\_\_

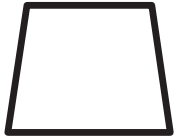
MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....

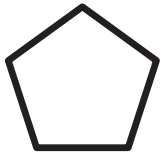




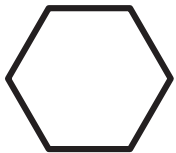
1 Draw a line from the shape to its name:



Hexagon



Quadrilateral



Pentagon

3 How much change from

£ 1



34p → \_\_\_\_\_

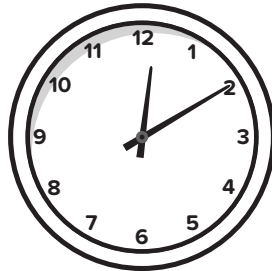
4 Tick the longest amount of time

5  
Days

3 Weeks

1  
Month

5 Write the time in digital 12 hour notation.




6 Tick the right angle



8  $\frac{1}{2}$  of 2 =

$\frac{1}{2}$  of 4 =

$\frac{1}{2}$  of 6 =

9  $\frac{1}{5}$  of 15 =

$\frac{1}{10}$  of 20 =

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

10  $\frac{3}{4} - \frac{1}{4} =$

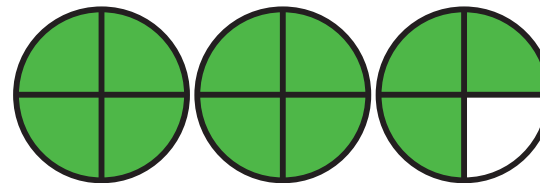
2 < or >

1cm \_\_\_\_\_ 1m

5kg \_\_\_\_\_ 5g

20L \_\_\_\_\_ 200ml

7 Write as a mixed number



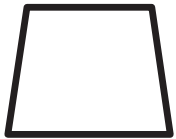
\_\_\_\_\_

MY LAST SCORE?! .....

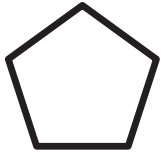
HAVE I BEAT THAT?! .....



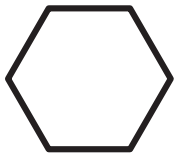
1 Draw a line from the shape to its name:



Quadrilateral



Hexagon



Pentagon

3 How much change from

£ 1

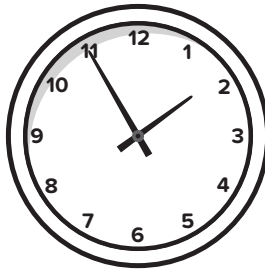


60p → \_\_\_\_\_

4 Tick the longest amount of time

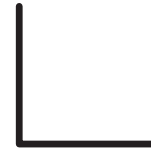
2 Years	100 Seconds	18 Months
<input type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

5 Write the time in digital 12 hour notation.




6 Tick the right angle








8  $\frac{1}{2}$  of 10 =

$\frac{1}{2}$  of 8 =

$\frac{1}{2}$  of 2 =

9  $\frac{1}{5}$  of 30 =

$\frac{1}{10}$  of 90 =

$\frac{1}{2}$  of 14 =

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

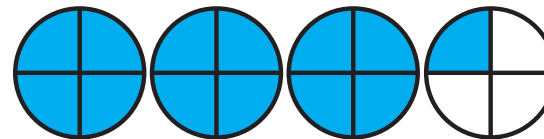
2 < or >

200g \_\_\_\_\_ 1kg

4L \_\_\_\_\_ 4500ml

50ml \_\_\_\_\_ 30ml

7 Write as a mixed number



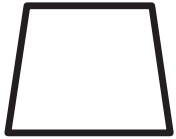
\_\_\_\_\_

MY LAST SCORE?! .....

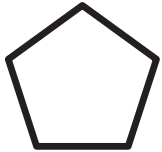
HAVE I BEAT THAT?! .....



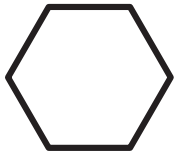
1 Draw a line from the shape to its name:



Hexagon



Quadrilateral



Pentagon

3 How much change from

£ 1

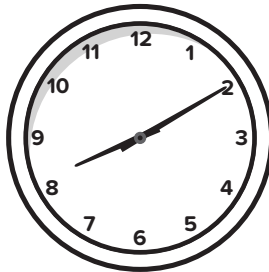


43p → \_\_\_\_\_

4 Tick the shortest amount of time

3 Months       30 Minutes       11 Days

5 Write the time in digital 12 hour notation.




6 Tick the right angle



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

$\frac{1}{2}$  of 10 =

$\frac{1}{2}$  of 6 =

9  $\frac{1}{5}$  of 45 =

$\frac{1}{10}$  of 30 =

$\frac{1}{2}$  of 8 =

10  $\frac{2}{4} - \frac{1}{4} =$

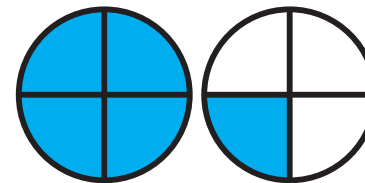
2 < or >

3L \_\_\_\_\_ 2L

1kg \_\_\_\_\_ 1700g

20cm \_\_\_\_\_ 2m

7 Write as a mixed number



\_\_\_\_\_

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



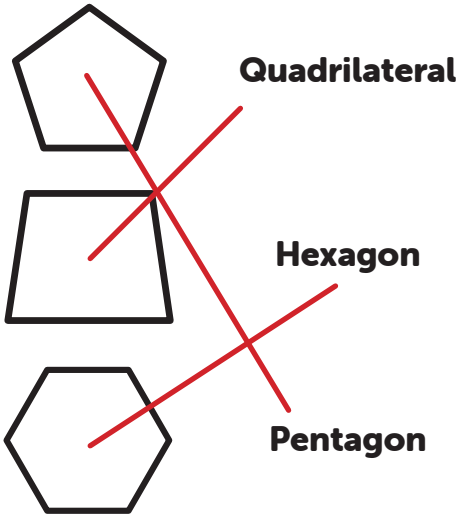
# ANSWERS

SAFE 9

SET: 1

/10

1 Draw a line from the shape to its name:



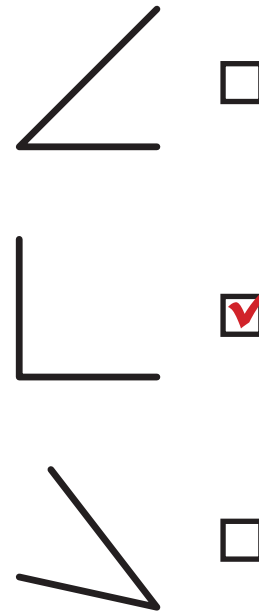
3 How much change from



4 Tick the shortest amount of time



6 Tick the right angle



8  $\frac{1}{2}$  of 6 = 3

$\frac{1}{2}$  of 2 = 1

$\frac{1}{2}$  of 10 = 5

9  $\frac{1}{5}$  of 20 = 4

$\frac{1}{10}$  of 40 = 4

$\frac{1}{2}$  of 18 = 9

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

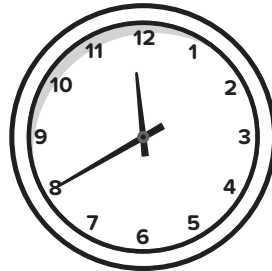
2 < or >

3m > 10cm

5g < 5kg

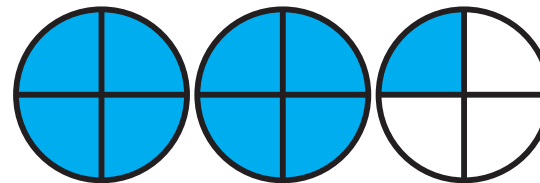
2L > 20ml

5 Write the time in digital 12 hour notation.



11:40

7 Write as a mixed number



$2 \frac{1}{4}$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



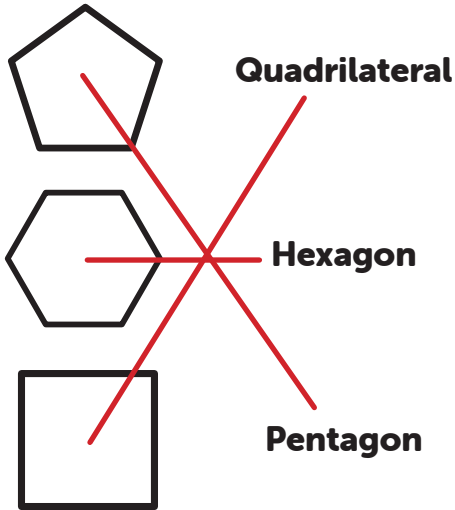
# ANSWERS

SAFE 9

SET: 2

/10

1 Draw a line from the shape to its name:



3 How much change from

£ 1



32p → 68p

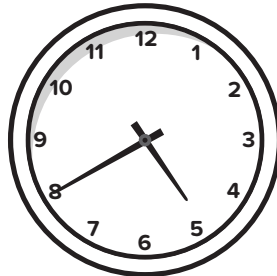
4 Tick the longest amount of time

10 Weeks

3 Months

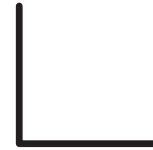
1 Year

5 Write the time in digital 12 hour notation.

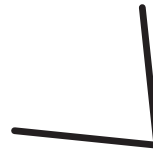


**04:40**

6 Tick the right angle








8  $\frac{1}{2}$  of 8 = **4**

$\frac{1}{2}$  of 6 = **3**

$\frac{1}{2}$  of 4 = **2**

9  $\frac{1}{5}$  of 40 = **8**

$\frac{1}{10}$  of 20 = **2**

$\frac{1}{2}$  of 16 = **8**

10  $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$

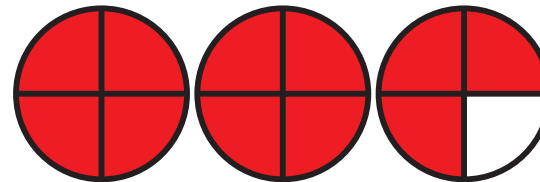
2 < or >

1m < 120cm

2kg > 70g

120ml < 3L

7 Write as a mixed number



2  $\frac{3}{4}$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



# ANSWERS

SAFE 9

SET: 3

/10

1 Draw a line from the shape to its name:



3 How much change from

£ 1

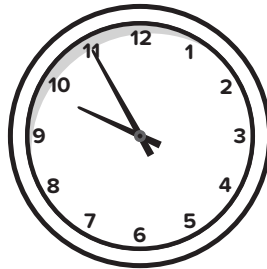


80p → 20p

4 Tick the longest amount of time

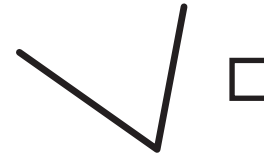
2 Months       40 Days       50 Minutes

5 Write the time in digital 12 hour notation.



**09:55**

6 Tick the right angle



8  $\frac{1}{2}$  of 2 = **1**

$\frac{1}{2}$  of 6 = **3**

$\frac{1}{2}$  of 8 = **4**

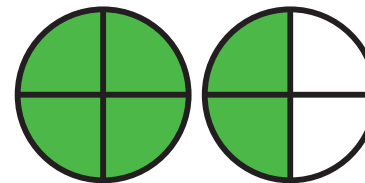
9  $\frac{1}{5}$  of 45 = **9**

$\frac{1}{10}$  of 70 = **7**

$\frac{1}{2}$  of 12 = **6**

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

7 Write as a mixed number



1  $\frac{2}{4}$

2 < or >

4kg > 450g

10m > 200cm

2L > 150ml

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



# ANSWERS

SAFE 9

SET: 4

/10

1 Draw a line from the shape to its name:



3 How much change from

£ 1



34p → 66p

4 Tick the shortest amount of time

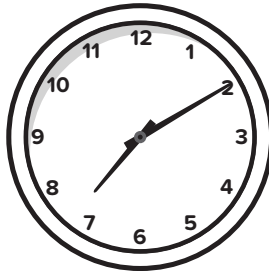
25  
Minutes

1  
year

2  
days



5 Write the time in digital 12 hour notation.



**07:10**

6 Tick the right angle



8  $\frac{1}{2}$  of 4 = **2**

$\frac{1}{2}$  of 10 = **5**

$\frac{1}{2}$  of 2 = **1**

9  $\frac{1}{5}$  of 25 = **5**

$\frac{1}{10}$  of 50 = **5**

$\frac{1}{2}$  of 6 = **3**

10  $\frac{2}{3} - \frac{1}{3} = \frac{1}{3}$

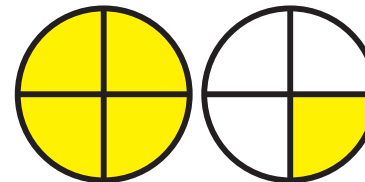
2 < or >

4L > 500ml

1kg > 10g

20cm < 1m

7 Write as a mixed number



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

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



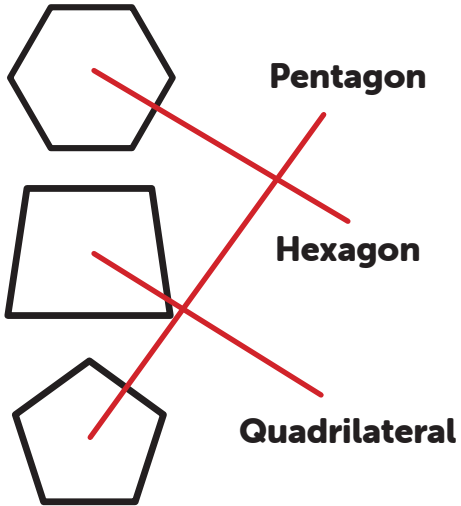
# ANSWERS

SAFE 9

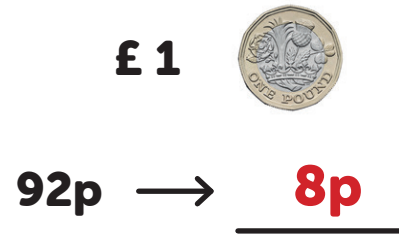
SET: 5

/10

1 Draw a line from the shape to its name:



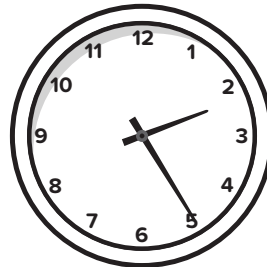
3 How much change from



4 Tick the longest amount of time

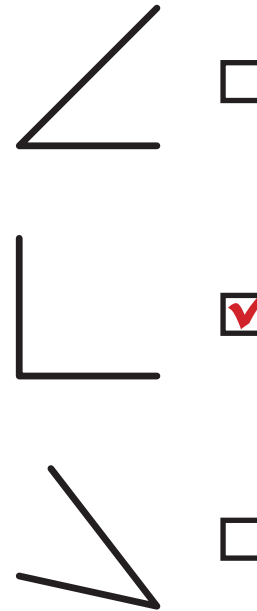


5 Write the time in digital 12 hour notation.



**02:25**

6 Tick the right angle



8  $\frac{1}{2}$  of 10 = **5**

$\frac{1}{2}$  of 2 = **1**

$\frac{1}{2}$  of 8 = **4**

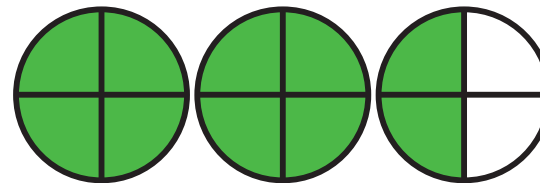
9  $\frac{1}{5}$  of 10 = **2**

$\frac{1}{10}$  of 80 = **8**

$\frac{1}{2}$  of 10 = **5**

10  $\frac{1}{4} + \frac{1}{4} = \frac{2}{4}$

7 Write as a mixed number



**2  $\frac{2}{4}$**

2 < or >

1200ml **>** 1L

50g **<** 50kg

5m **>** 50cm

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....





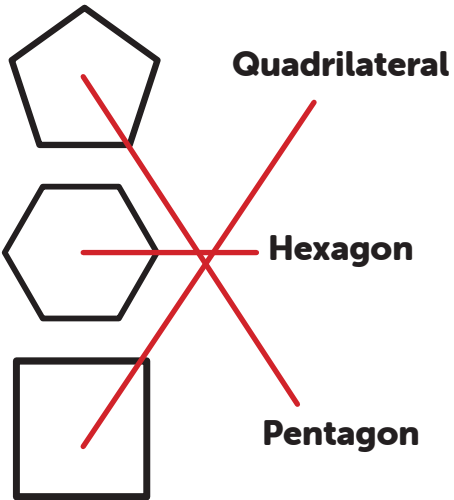
# ANSWERS

SAFE 9

SET: 6

/10

1 Draw a line from the shape to its name:



3 How much change from

£ 1

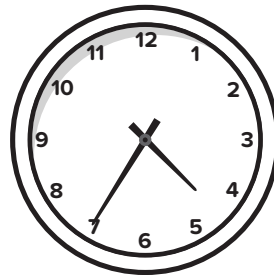


5p → 95p

4 Tick the longest amount of time

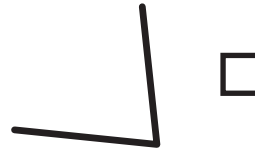
2 Minutes       10 Seconds       1 Day

5 Write the time in digital 12 hour notation.



**04:35**

6 Tick the right angle



8  $\frac{1}{2}$  of 4 = **2**

$\frac{1}{2}$  of 8 = **4**

$\frac{1}{2}$  of 6 = **3**

9  $\frac{1}{5}$  of 50 = **10**

$\frac{1}{10}$  of 60 = **6**

$\frac{1}{2}$  of 18 = **9**

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

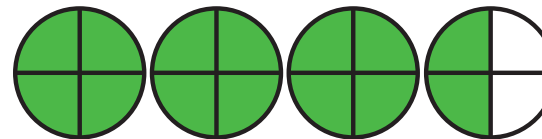
2 < or >

100ml < 150ml

2kg > 200g

5cm < 4m

7 Write as a mixed number



**3  $\frac{2}{4}$**

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



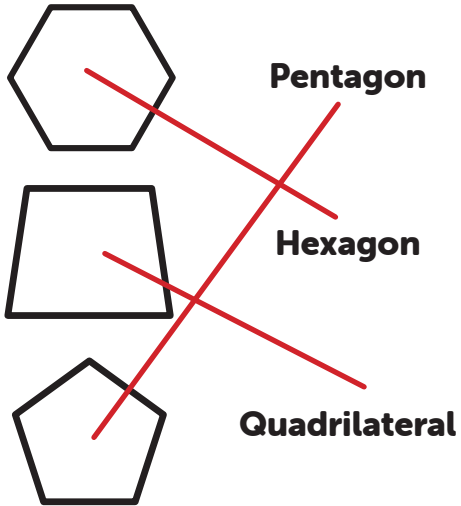
# ANSWERS

SAFE 9

SET: 7

/10

1 Draw a line from the shape to its name:



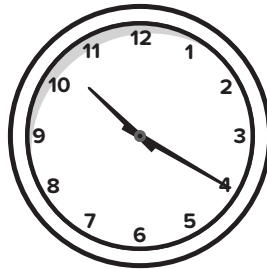
3 How much change from



4 Tick the shortest amount of time

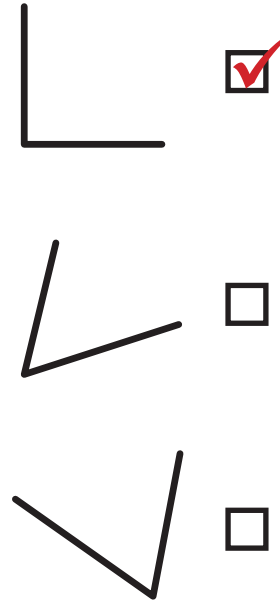


5 Write the time in digital 12 hour notation.



10:20

6 Tick the right angle



8  $\frac{1}{2}$  of 10 = 5

$\frac{1}{2}$  of 2 = 1

$\frac{1}{2}$  of 4 = 2

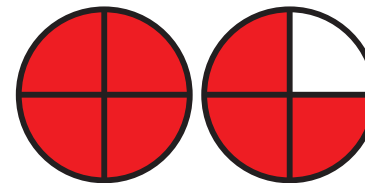
9  $\frac{1}{5}$  of 40 = 8

$\frac{1}{10}$  of 40 = 4

$\frac{1}{2}$  of 20 = 10

10  $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$

7 Write as a mixed number



$1 \frac{3}{4}$

2 < or >

2L > 400ml

2kg > 1kg

1m > 10cm

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



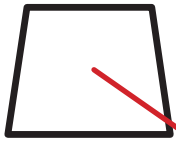
# ANSWERS

SAFE 9

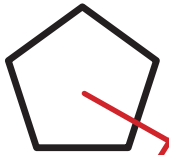
SET: 8

/10

1 Draw a line from the shape to its name:



Hexagon



Quadrilateral



Pentagon

3 How much change from

£ 1



34p → 66p

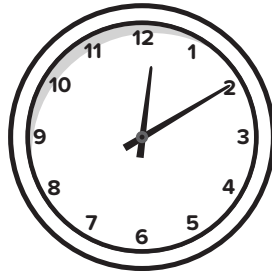
4 Tick the longest amount of time

5 Days

3 Weeks

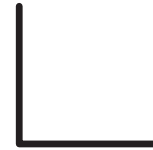
1 Month

5 Write the time in digital 12 hour notation.



**12:10**

6 Tick the right angle








8  $\frac{1}{2}$  of 2 = **1**

$\frac{1}{2}$  of 4 = **2**

$\frac{1}{2}$  of 6 = **3**

9  $\frac{1}{5}$  of 15 = **3**

$\frac{1}{10}$  of 20 = **2**

$\frac{1}{2}$  of 12 = **6**

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

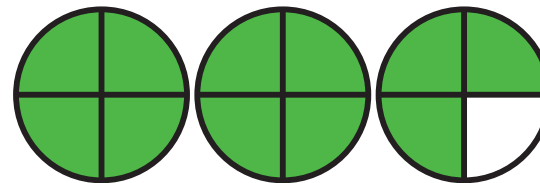
2 < or >

1cm < 1m

5kg > 5g

20L > 200ml

7 Write as a mixed number



2  $\frac{3}{4}$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



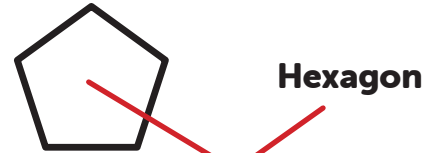
# ANSWERS

SAFE 9

SET: 9

/10

1 Draw a line from the shape to its name:



3 How much change from

£ 1

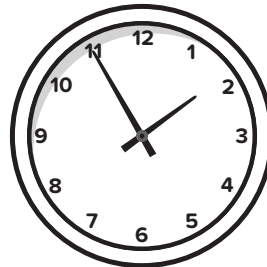


60p → 40p

4 Tick the longest amount of time

2 Years       100 Seconds       18 Months

5 Write the time in digital 12 hour notation.



**01:55**

6 Tick the right angle



8  $\frac{1}{2}$  of 10 = **5**

$\frac{1}{2}$  of 8 = **4**

$\frac{1}{2}$  of 2 = **1**

9  $\frac{1}{5}$  of 30 = **6**

$\frac{1}{10}$  of 90 = **9**

$\frac{1}{2}$  of 14 = **7**

10  $\frac{1}{3} + \frac{1}{3} = \frac{2}{3}$

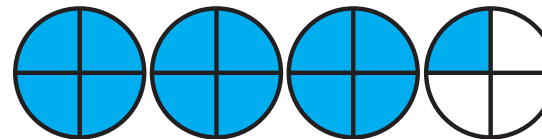
2 < or >

200g < 1kg

4L < 4500ml

50ml > 30ml

7 Write as a mixed number



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

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



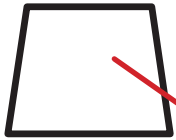
# ANSWERS

SAFE 9

SET: 10

/10

1 Draw a line from the shape to its name:



Hexagon



Quadrilateral



Pentagon

3 How much change from

£ 1

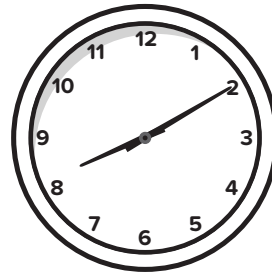


43p → 57p

4 Tick the shortest amount of time

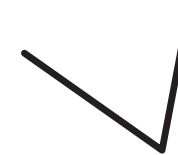
3 Months       30 Minutes       11 Days

5 Write the time in digital 12 hour notation.



**08:10**

6 Tick the right angle



8  $\frac{1}{2}$  of 4 = **2**

$\frac{1}{2}$  of 10 = **5**

$\frac{1}{2}$  of 6 = **3**

9  $\frac{1}{5}$  of 45 = **9**

$\frac{1}{10}$  of 30 = **3**

$\frac{1}{2}$  of 8 = **4**

10  $\frac{2}{4} - \frac{1}{4} = \frac{1}{4}$

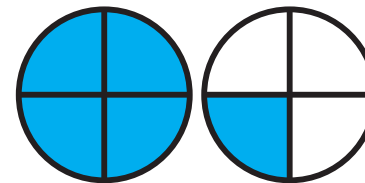
2 < or >

3L > 2L

1kg < 1700g

20cm < 2m

7 Write as a mixed number



1  $\frac{1}{4}$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....

