

# Big Maths Beat That!: Teacher Notes

SAFE Challenge 18			
	Step Location in the SAFE framework		Title of Step
	Progress Drive	Step No.	
Q1	Amounts: Amounts of Distance	27	I can convert km and m in both directions and to 3dp
	Amounts: Amounts of Mass	17	I can convert kg and g in both directions and to 3dp
	Amounts: Amounts of Space	23	I can convert L and ml in both directions and to 3dp
Q2	Amounts: Amounts of Space	22	I can calculate area using CLIC
Q3	Amounts: Amounts of Time	31	I can convert times and then calculate time gaps
Q4	Amounts: Amounts of Turn	25	I can use a protractor to measure a specified acute angle to the nearest 3°
		27	I can use a protractor to measure a specified obtuse angle to the nearest 3°
		29	I can use a protractor to measure a specified reflex angle to the nearest 3°
Q5	Fractions: Fractions: It's Nothing New	8	I can use Smile Multiplication for fractions
Q6	Fractions: Fractions: Calculation	16	I can multiply mixed numbers by whole numbers
Q7	Fractions: Fractions: Percentages	2	I can see that percentages are proportions
Q8	Fractions: Fractions: Percentages	3	I know all of my percentage Learn Its
Q9	Dangerous Maths: Pattern Spotting	17	I can spot patterns where the gap is a fraction
Q10	Dangerous Maths: Algebra	12	I can solve equations with brackets

1

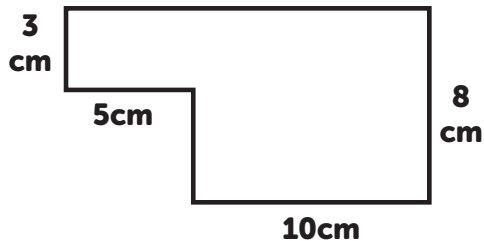
$$3.456 \text{ km} = \underline{\hspace{2cm}} \text{ m}$$

$$2.41 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$$

$$408 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$$

2

What is the perimeter and area of the shape shown below?



Perimeter =

Area =

3

10:45pm

12 hour clock

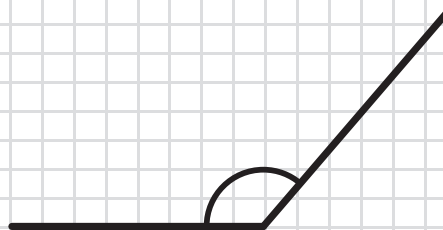
What time was it 3 hours and 18 minutes earlier?



24 hour clock

4

Measure the size of the angle



\_\_\_\_\_

5

$$7 \times \frac{4}{5} =$$

6

$$4 \times 3 \frac{4}{5} =$$

7

$$20\% \text{ of } 150 =$$

8

Write as proper fractions

$$1\% = \underline{\hspace{2cm}}$$

$$10\% = \underline{\hspace{2cm}}$$

$$20\% = \underline{\hspace{2cm}}$$

9

$$13 \frac{1}{2}, 14 \frac{1}{4},$$

$$15, 15 \frac{3}{4}, \dots$$

Next in the sequence is \_\_\_\_\_

10

$$(3 \times 5) - (4 - 1) =$$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



1

$$2340 \text{ m} = \underline{\hspace{2cm}} \text{ km}$$

$$1.113 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$$

$$5421 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$$

3

08:22am

12 hour clock

What time was it 2 hours  
and 34 minutes later?



24 hour clock

5

$$5 \times \frac{3}{8} =$$

6

$$3 \times 5 \frac{2}{3} =$$

8

Write as proper fractions

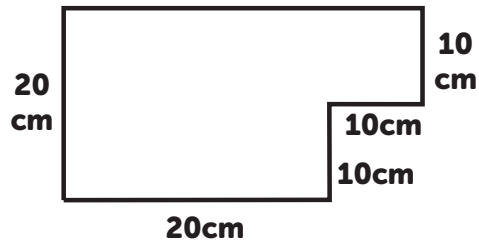
$$10\% = \underline{\hspace{2cm}}$$

$$25\% = \underline{\hspace{2cm}}$$

$$20\% = \underline{\hspace{2cm}}$$

2

What is the perimeter  
and area of the shape  
shown below?



Perimeter =

Area =

4

Measure the size of  
the angle



\_\_\_\_\_

7

$$25\% \text{ of } 80 =$$

9

$$8 \frac{1}{4}, 8 \frac{1}{2},$$

$$8 \frac{3}{4}, 9, \dots$$

Next in the  
sequence is \_\_\_\_\_

10

$$(20 + 9) - (2 \times 3) =$$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



1

$$2.54 \text{ km} = \underline{\hspace{2cm}} \text{ m}$$

$$7.45 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$$

$$8645 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$$

3

19:32

24 hour clock

What time was it 3 hours  
and 52 minutes earlier?



12 hour clock

5

$$9 \times \frac{5}{6} =$$

6

$$3 \times 5 \frac{6}{8} =$$

7

$$20\% \text{ of } 60 =$$

8

Write as percentages

$$\frac{10}{100} = \underline{\hspace{2cm}}$$

$$\frac{1}{5} = \underline{\hspace{2cm}}$$

$$\frac{1}{4} = \underline{\hspace{2cm}}$$

9

$$2 \frac{2}{5}, 2 \frac{4}{5},$$

$$3 \frac{1}{5}, 3 \frac{3}{5}, \dots$$

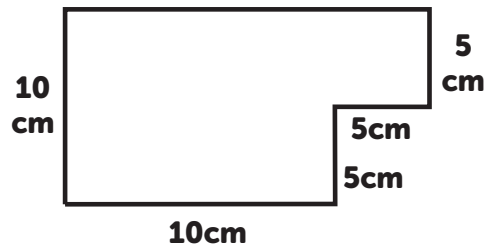
Next in the  
sequence is                     

10

$$(3 - 1) \times (3 + 2) =$$

2

What is the perimeter  
and area of the shape  
shown below?



Perimeter =

Area =

4

Measure the size of  
the angle



\_\_\_\_\_

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



1

$$5034 \text{ m} = \underline{\hspace{2cm}} \text{ km}$$

$$3111 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$$

$$2.34 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$$

3

15:21

24 hour clock

What time was it 5 hours  
and 11 minutes earlier?



12 hour clock

5

$$4 \times \frac{3}{5} =$$

6

$$7 \times 3 \frac{5}{7} =$$

8

Write as percentages

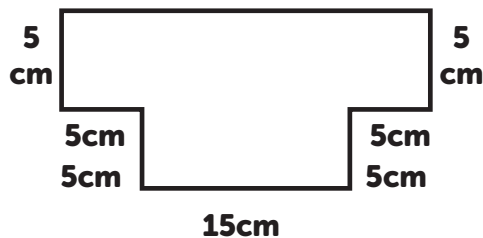
$$\frac{1}{10} = \underline{\hspace{2cm}}$$

$$\frac{1}{2} = \underline{\hspace{2cm}}$$

$$\frac{3}{4} = \underline{\hspace{2cm}}$$

2

What is the perimeter  
and area of the shape  
shown below?

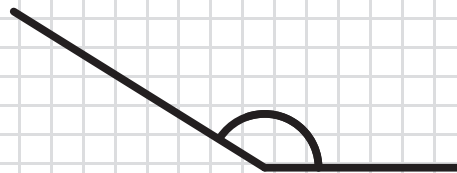


Perimeter =

Area =

4

Measure the size of  
the angle




---

7

$$50\% \text{ of } 90 =$$

9

$$1 \frac{1}{6}, 1 \frac{4}{6},$$

$$2 \frac{1}{6}, 2 \frac{4}{6}, \dots$$

Next in the  
sequence is

---

10

$$(11 \times 2) - (2 \times 6) =$$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



1

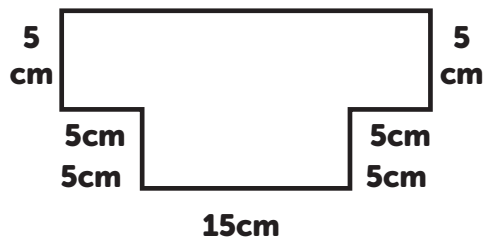
$$2.225 \text{ km} = \underline{\hspace{2cm}} \text{ m}$$

$$7.32 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$$

$$3219 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$$

2

What is the perimeter and area of the shape shown below?



Perimeter =

Area =

3

11:05am

12 hour clock

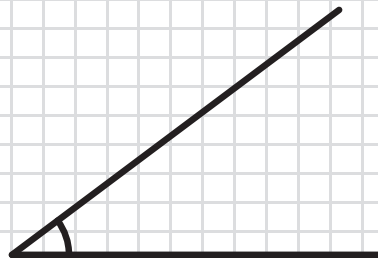
What time was it 7 hours and 37 minutes earlier?



24 hour clock

4

Measure the size of the angle



\_\_\_\_\_

5

$$3 \times \frac{5}{7} =$$

6

$$7 \times 5 \frac{3}{8} =$$

7

$$25\% \text{ of } 140 =$$

8

Write as proper fractions

$$1\% = \underline{\hspace{2cm}}$$

$$50\% = \underline{\hspace{2cm}}$$

$$10\% = \underline{\hspace{2cm}}$$

9

$$8 \frac{2}{7}, 8 \frac{4}{7},$$

$$8 \frac{6}{7}, 9 \frac{1}{7}, \dots$$

Next in the sequence is \_\_\_\_\_

10

$$(22 + 9) + (24 \div 6) =$$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



1

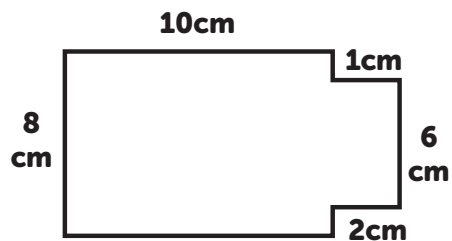
$$9.2 \text{ km} = \underline{\hspace{2cm}} \text{ m}$$

$$3.415 \text{ L} = \underline{\hspace{2cm}} \text{ ml}$$

$$7.62 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$$

2

What is the perimeter and area of the shape shown below?



Perimeter =

Area =

3

11:32pm

12 hour clock

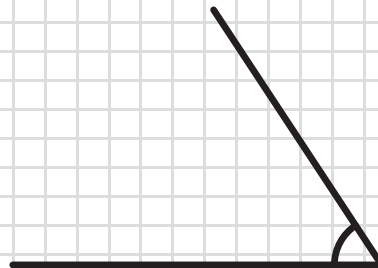
What time was it 2 hours and 12 minutes earlier?



24 hour clock

4

Measure the size of the angle



\_\_\_\_\_

5

$$6 \times \frac{6}{8} =$$

6

$$8 \times 2\frac{4}{5} =$$

7

$$50\% \text{ of } 180 =$$

8

Write as proper fractions

$$10\% = \underline{\hspace{2cm}}$$

$$25\% = \underline{\hspace{2cm}}$$

$$75\% = \underline{\hspace{2cm}}$$

9

$$1\frac{1}{8}, 1\frac{5}{8},$$

$$2\frac{1}{8}, 2\frac{5}{8}, \dots$$

Next in the sequence is \_\_\_\_\_

10

$$(16 \div 4) \times (2 \times 2) =$$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



1

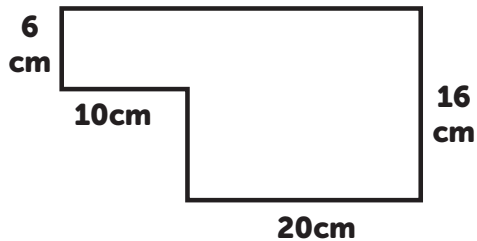
$$1275 \text{ m} = \underline{\hspace{2cm}} \text{ km}$$

$$4856 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$$

$$1298 \text{ g} = \underline{\hspace{2cm}} \text{ kg}$$

2

What is the perimeter and area of the shape shown below?



Perimeter =

Area =

3

04:28am

12 hour clock

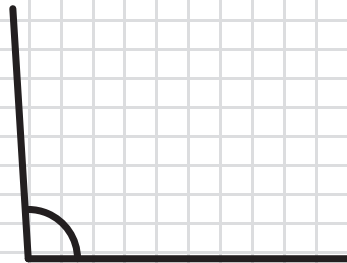
What time was it 4 hours and 23 minutes later?



24 hour clock

4

Measure the size of the angle



\_\_\_\_\_

5

$$4 \times \frac{3}{9} =$$

6

$$3 \times 4 \frac{7}{8} =$$

7

$$25\% \text{ of } 200 =$$

8

Write as percentages

$$\frac{1}{10} = \underline{\hspace{2cm}}$$

$$\frac{10}{100} = \underline{\hspace{2cm}}$$

$$\frac{1}{2} = \underline{\hspace{2cm}}$$

9

$$3 \frac{4}{9}, 3 \frac{8}{9},$$

$$4 \frac{3}{9}, 4 \frac{7}{9}, \dots$$

Next in the sequence is \_\_\_\_\_

10

$$(12 + 23) + (19 - 7) =$$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....





1

$$3648 \text{ m} = \underline{\hspace{2cm}} \text{ km}$$

$$7401 \text{ ml} = \underline{\hspace{2cm}} \text{ L}$$

$$5.34 \text{ kg} = \underline{\hspace{2cm}} \text{ g}$$

3

17:42

24 hour clock

What time was it 3 hours  
and 59 minutes later?



12 hour clock

5

$$3 \times \frac{4}{6} =$$

6

$$2 \times 5 \frac{6}{9} =$$

8

Write as proper fractions

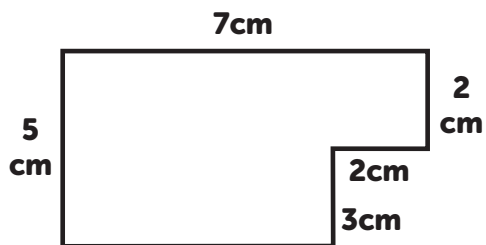
$$1\% = \underline{\hspace{2cm}}$$

$$20\% = \underline{\hspace{2cm}}$$

$$50\% = \underline{\hspace{2cm}}$$

2

What is the perimeter  
and area of the shape  
shown below?

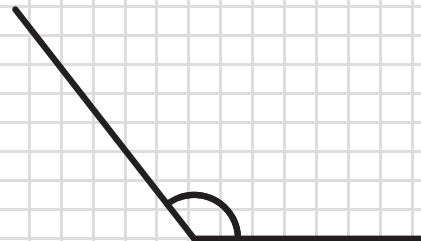


Perimeter =

Area =

4

Measure the size of  
the angle



\_\_\_\_\_

7

$$50\% \text{ of } 100 =$$

9

$$6 \frac{1}{9}, 6 \frac{7}{9},$$

$$7 \frac{4}{9}, 8 \frac{1}{9}, \dots$$

Next in the  
sequence is \_\_\_\_\_

10

$$(15 + 9) - (3 \times 4) =$$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



1

6.3 km = \_\_\_\_\_ m

5.675 L = \_\_\_\_\_ ml

2.721 kg = \_\_\_\_\_ g

3

08:12

24 hour clock

What time was it 1 hour  
and 48 minutes earlier?



12 hour clock

5

$$5 \times \frac{1}{3} =$$

6

$$3 \times 4 \frac{4}{7} =$$

8

Write as proper fractions

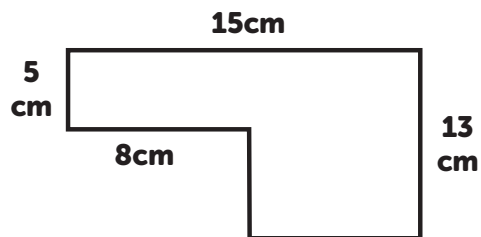
10% = \_\_\_\_\_

25% = \_\_\_\_\_

75% = \_\_\_\_\_

2

What is the perimeter  
and area of the shape  
shown below?

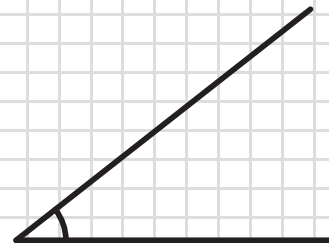


Perimeter =

Area =

4

Measure the size of  
the angle



\_\_\_\_\_

7

25% of 160 =

9

$1 \frac{2}{8}, 1 \frac{7}{8},$

$2 \frac{4}{8}, 3 \frac{1}{8}, \dots$

Next in the  
sequence is \_\_\_\_\_

10

$(3 \times 7) - (21 - 10) =$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



# ANSWERS

SAFE 18

SET: 1

/10

1

$$3.456 \text{ km} = \underline{3456} \text{ m}$$

$$2.41 \text{ L} = \underline{2410} \text{ ml}$$

$$408 \text{ g} = \underline{0.408} \text{ kg}$$

3

**10:45pm**

12 hour clock

What time was it 3 hours  
and 18 minutes earlier?

**19:27**

24 hour clock

5

$$7 \times \frac{4}{5} =$$

$$\frac{28}{5} \quad 5 \frac{3}{5}$$

6

$$4 \times 3 \frac{4}{5} =$$

$$15 \frac{1}{5}$$

7

$$20\% \text{ of } 150 =$$

$$30$$

8

Write as proper fractions

$$1\% = \frac{1}{100}$$

$$10\% = \frac{1}{10}$$

$$20\% = \frac{1}{5}$$

9

$$13 \frac{1}{2}, 14 \frac{1}{4},$$

$$15, 15 \frac{3}{4}, \dots$$

Next in the  
sequence is

$$\underline{16 \frac{1}{2}}$$

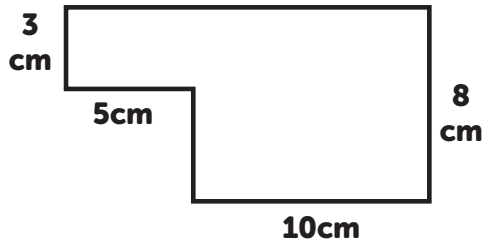
10

$$(3 \times 5) - (4 - 1) =$$

$$12$$

2

What is the perimeter  
and area of the shape  
shown below?



$$\text{Perimeter} = \underline{46\text{cm}}$$

$$\text{Area} = \underline{95\text{cm}^2}$$

4

Measure the size of  
the angle



$$\underline{130^\circ}$$

(128° to 132°)

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



# ANSWERS

SAFE 18

SET: 2

/10

1

$$2340 \text{ m} = \underline{2.34} \text{ km}$$

$$1.113 \text{ L} = \underline{1113} \text{ ml}$$

$$5421 \text{ g} = \underline{5.421} \text{ kg}$$

3

**08:22am**

12 hour clock

What time was it 2 hours  
and 34 minutes later?

**10:56**

24 hour clock

5

$$5 \times \frac{3}{8} =$$

$$\frac{15}{8} \quad 1 \frac{7}{8}$$

6

$$3 \times 5 \frac{2}{3} =$$

**17**

7

$$25\% \text{ of } 80 =$$

**20**

8

Write as proper fractions

$$10\% = \underline{\frac{1}{10}}$$

$$25\% = \underline{\frac{1}{4}}$$

$$20\% = \underline{\frac{1}{5}}$$

9

$$8 \frac{1}{4}, 8 \frac{1}{2},$$

$$8 \frac{3}{4}, 9, \dots$$

Next in the  
sequence is **9  $\frac{1}{4}$**

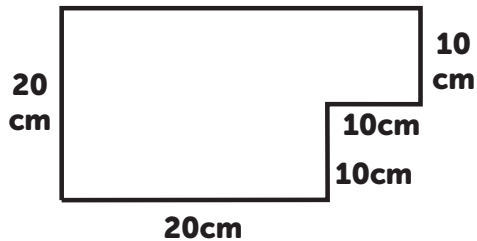
10

$$(20 + 9) - (2 \times 3) =$$

**23**

2

What is the perimeter  
and area of the shape  
shown below?



$$\text{Perimeter} = \underline{100\text{cm}}$$

$$\text{Area} = \underline{500\text{cm}^2}$$

4

Measure the size of  
the angle



**74°**

(72° to 76°)

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



# ANSWERS

SAFE 18

SET: 3

/10

1

$$2.54 \text{ km} = \underline{2540} \text{ m}$$

$$7.45 \text{ L} = \underline{7450} \text{ ml}$$

$$8645 \text{ g} = \underline{8.645} \text{ kg}$$

3

**19:32**

24 hour clock

What time was it 3 hours and 52 minutes earlier?

**03:40pm**

12 hour clock

5

$$9 \times \frac{5}{6} =$$

$$\frac{45}{6} \quad 7 \frac{3}{6}$$

6

$$3 \times 5 \frac{6}{8} =$$

$$17 \frac{2}{8}$$

7

$$20\% \text{ of } 60 =$$

$$12$$

8

Write as percentages

$$\frac{10}{100} = \underline{10\%}$$

$$\frac{1}{5} = \underline{20\%}$$

$$\frac{1}{4} = \underline{25\%}$$

9

$$2 \frac{2}{5}, 2 \frac{4}{5},$$

$$3 \frac{1}{5}, 3 \frac{3}{5}, \dots$$

Next in the sequence is 4

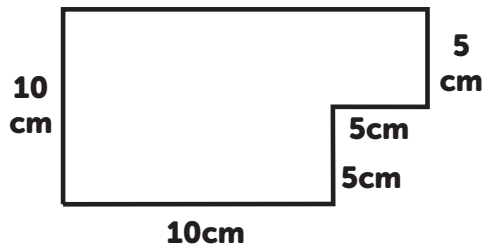
10

$$(3 - 1) \times (3 + 2) =$$

$$10$$

2

What is the perimeter and area of the shape shown below?



$$\text{Perimeter} = \underline{50\text{cm}}$$

$$\text{Area} = \underline{125\text{cm}^2}$$

4

Measure the size of the angle



$$107^\circ$$

$$\underline{(105^\circ \text{ to } 109^\circ)}$$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



# ANSWERS

SAFE 18

SET: 4

/10

1

$$5034 \text{ m} = \underline{5.034} \text{ km}$$

$$3111 \text{ ml} = \underline{3.111} \text{ L}$$

$$2.34 \text{ kg} = \underline{2340} \text{ g}$$

3

**15:21**

24 hour clock

What time was it 5 hours and 11 minutes earlier?

**10:10am**

12 hour clock

5

$$4 \times \frac{3}{5} =$$

$$\frac{12}{5} \quad 2 \frac{2}{5}$$

6

$$7 \times 3 \frac{5}{7} =$$

**26**

7

$$50\% \text{ of } 90 =$$

**45**

8

Write as percentages

$$\frac{1}{10} = \underline{10\%}$$

$$\frac{1}{2} = \underline{50\%}$$

$$\frac{3}{4} = \underline{75\%}$$

9

$$1 \frac{1}{6}, 1 \frac{4}{6},$$

$$2 \frac{1}{6}, 2 \frac{4}{6}, \dots$$

Next in the sequence is **3  $\frac{1}{6}$**

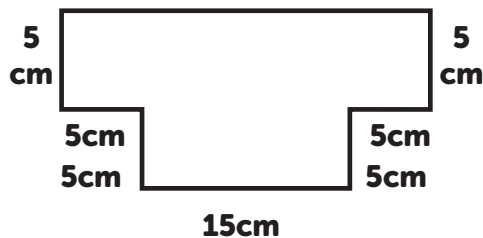
10

$$(11 \times 2) - (2 \times 6) =$$

**10**

2

What is the perimeter and area of the shape shown below?

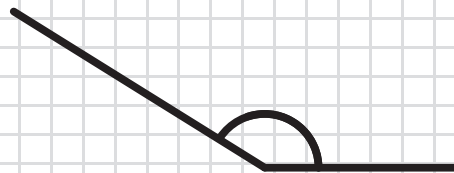


$$\text{Perimeter} = \underline{70\text{cm}}$$

$$\text{Area} = \underline{200\text{cm}^2}$$

4

Measure the size of the angle



**148°**

(146° to 150°)

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



# ANSWERS

SAFE 18

SET: 5

/10

1

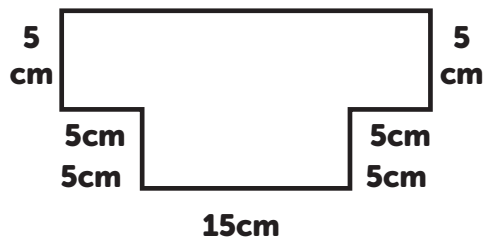
$$2.225 \text{ km} = \underline{2225} \text{ m}$$

$$7.32 \text{ L} = \underline{7320} \text{ ml}$$

$$3219 \text{ g} = \underline{3.219} \text{ kg}$$

2

What is the perimeter and area of the shape shown below?



$$\text{Perimeter} = \underline{60\text{cm}}$$

$$\text{Area} = \underline{150\text{cm}^2}$$

3

**11:05am**

12 hour clock

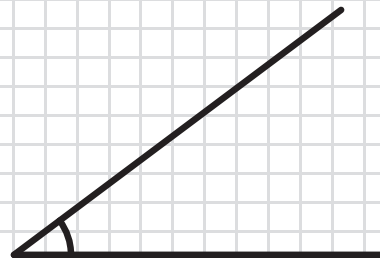
What time was it 7 hours and 37 minutes earlier?

**03:28**

24 hour clock

4

Measure the size of the angle



**36°**

**(34° to 38°)**

5

$$3 \times \frac{5}{7} =$$

$$\frac{15}{7} \quad 2 \frac{1}{7}$$

6

$$7 \times 5 \frac{3}{8} =$$

$$37 \frac{5}{8}$$

7

$$25\% \text{ of } 140 =$$

$$35$$

8

Write as proper fractions

$$1\% = \underline{\frac{1}{100}}$$

$$50\% = \underline{\frac{1}{2}}$$

$$10\% = \underline{\frac{1}{10}}$$

9

$$8 \frac{2}{7}, 8 \frac{4}{7},$$

$$8 \frac{6}{7}, 9 \frac{1}{7}, \dots$$

Next in the sequence is  $\underline{9 \frac{3}{7}}$

10

$$(22 + 9) + (24 \div 6) =$$

$$35$$



MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



# ANSWERS

SAFE 18

SET: 6

/10

1

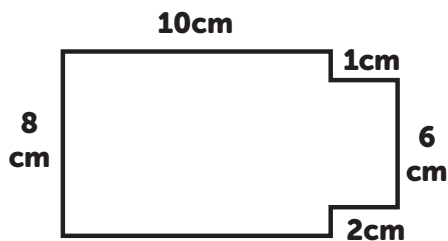
$$9.2 \text{ km} = \underline{9200} \text{ m}$$

$$3.415 \text{ L} = \underline{3415} \text{ ml}$$

$$7.62 \text{ kg} = \underline{7620} \text{ g}$$

2

What is the perimeter and area of the shape shown below?



$$\text{Perimeter} = \underline{40\text{cm}}$$

$$\text{Area} = \underline{92\text{cm}^2}$$

3

**11:32pm**

12 hour clock

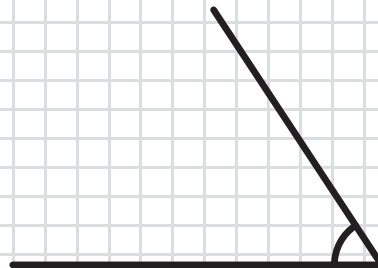
What time was it 2 hours and 12 minutes earlier?

**21:20**

24 hour clock

4

Measure the size of the angle



**57°**

**(55° to 59°)**

5

$$6 \times \frac{6}{8} =$$

$$\frac{36}{8} \quad 4 \frac{4}{8}$$

6

$$8 \times 2 \frac{4}{5} =$$

$$22 \frac{2}{5}$$

7

$$50\% \text{ of } 180 =$$

$$90$$

8

Write as proper fractions

$$10\% = \underline{\frac{1}{10}}$$

$$25\% = \underline{\frac{1}{4}}$$

$$75\% = \underline{\frac{3}{4}}$$

9

$$1 \frac{1}{8}, 1 \frac{5}{8},$$

$$2 \frac{1}{8}, 2 \frac{5}{8}, \dots$$

Next in the sequence is  $\underline{3 \frac{1}{8}}$

10

$$(16 \div 4) \times (2 \times 2) =$$

$$16$$



MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....

# ANSWERS

SAFE 18

SET: 7

/10

1

$$1275 \text{ m} = \underline{1.275} \text{ km}$$

$$4856 \text{ ml} = \underline{4.856} \text{ L}$$

$$1298 \text{ g} = \underline{1.298} \text{ kg}$$

3

**04:28am**

12 hour clock

What time was it 4 hours and 23 minutes later?

**08:51**

24 hour clock

5

$$4 \times \frac{3}{9} =$$

$$\frac{12}{9} \quad 1 \frac{3}{9}$$

6

$$3 \times 4 \frac{7}{8} =$$

$$14 \frac{5}{8}$$

7

$$25\% \text{ of } 200 =$$

$$50$$

8

Write as percentages

$$\frac{1}{10} = \underline{10\%}$$

$$\frac{10}{100} = \underline{10\%}$$

$$\frac{1}{2} = \underline{50\%}$$

9

$$3 \frac{4}{9}, 3 \frac{8}{9},$$

$$4 \frac{3}{9}, 4 \frac{7}{9}, \dots$$

Next in the sequence is  $\underline{5 \frac{2}{9}}$

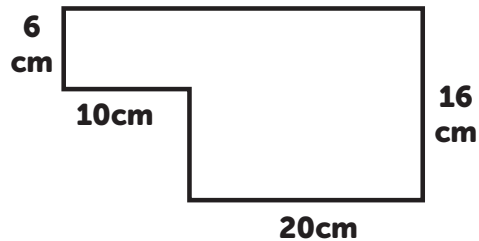
10

$$(12 + 23) + (19 - 7) =$$

$$47$$

2

What is the perimeter and area of the shape shown below?



$$\text{Perimeter} = \underline{92\text{cm}}$$

$$\text{Area} = \underline{380\text{cm}^2}$$

4

Measure the size of the angle



$$93^\circ$$

$$\underline{(91^\circ \text{ to } 95^\circ)}$$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



# ANSWERS

SAFE 18

SET: 8

/10

1

$$4.765 \text{ km} = \underline{4765} \text{ m}$$

$$8.23 \text{ L} = \underline{8230} \text{ ml}$$

$$3.261 \text{ kg} = \underline{3261} \text{ g}$$

2

**09:18pm**

12 hour clock

What time was it 2 hours  
and 05 minutes later?

**23:23**

24 hour clock

5

$$6 \times \frac{2}{7} =$$

$$\frac{12}{7} \quad 1 \frac{5}{7}$$

6

$$4 \times 3 \frac{1}{6} =$$

$$12 \frac{4}{6}$$

7

$$20\% \text{ of } 120 =$$

$$24$$

8

Write as percentages

$$\frac{1}{2} = \underline{50\%}$$

$$\frac{3}{4} = \underline{75\%}$$

$$\frac{1}{5} = \underline{20\%}$$

9

$$5 \frac{2}{4}, 5 \frac{3}{4},$$

$$6, 6 \frac{1}{4}, \dots$$

Next in the  
sequence is

$$\underline{6 \frac{2}{4}}$$

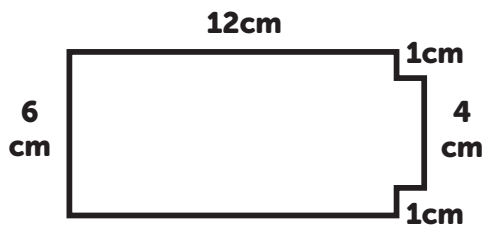
10

$$(20 - 12) \times (4 + 5) =$$

$$72$$

2

What is the perimeter  
and area of the shape  
shown below?

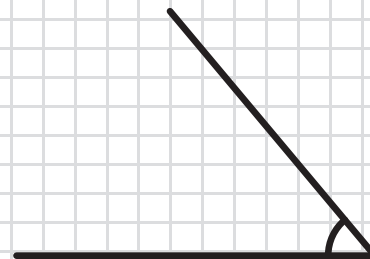


$$\text{Perimeter} = \underline{38\text{cm}}$$

$$\text{Area} = \underline{76\text{cm}^2}$$

4

Measure the size of  
the angle



$$\underline{50^\circ}$$

$$\underline{(48^\circ \text{ to } 52^\circ)}$$

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



# ANSWERS

SAFE 18

SET: 9

/10

1

$$3648 \text{ m} = \underline{3.648} \text{ km}$$

$$7401 \text{ ml} = \underline{7.401} \text{ L}$$

$$5.34 \text{ kg} = \underline{5340} \text{ g}$$

3

**17:42**

24 hour clock

What time was it 3 hours  
and 59 minutes later?

**09:41pm**

12 hour clock

5

$$3 \times \frac{4}{6} =$$

$$\frac{12}{6} \quad 2$$

6

$$2 \times 5 \frac{6}{9} =$$

$$11 \frac{3}{9}$$

7

$$50\% \text{ of } 100 =$$

$$50$$

8

Write as proper fractions

$$1\% = \frac{1}{100}$$

$$20\% = \frac{1}{5}$$

$$50\% = \frac{1}{2}$$

9

$$6 \frac{1}{9}, 6 \frac{7}{9},$$

$$7 \frac{4}{9}, 8 \frac{1}{9}, \dots$$

Next in the  
sequence is  $\underline{8 \frac{7}{9}}$

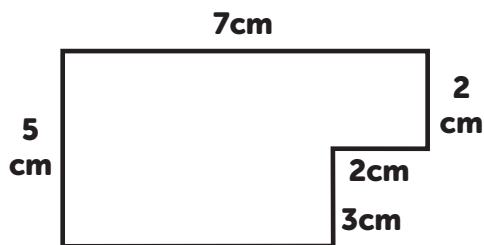
10

$$(15 + 9) - (3 \times 4) =$$

$$12$$

2

What is the perimeter  
and area of the shape  
shown below?

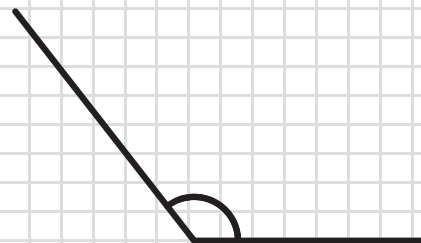


$$\text{Perimeter} = \underline{24\text{cm}}$$

$$\text{Area} = \underline{29\text{cm}^2}$$

4

Measure the size of  
the angle



**128°**

(126° to 130°)

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....



# ANSWERS

SAFE 18

SET: 10

/10

1

$$6.3 \text{ km} = \underline{6300} \text{ m}$$

$$5.675 \text{ L} = \underline{5675} \text{ ml}$$

$$2.721 \text{ kg} = \underline{2721} \text{ g}$$

3

**08:12**

24 hour clock

What time was it 1 hour and 48 minutes earlier?

**06:24am**

12 hour clock

5

$$5 \times \frac{1}{3} =$$

$$\frac{5}{3} \quad 1 \frac{2}{3}$$

6

$$3 \times 4 \frac{4}{7} =$$

$$13 \frac{5}{7}$$

7

$$25\% \text{ of } 160 =$$

$$40$$

8

Write as proper fractions

$$10\% = \underline{\frac{1}{10}}$$

$$25\% = \underline{\frac{1}{4}}$$

$$75\% = \underline{\frac{3}{4}}$$

9

$$1 \frac{2}{8}, 1 \frac{7}{8},$$

$$2 \frac{4}{8}, 3 \frac{1}{8}, \dots$$

Next in the sequence is  $\underline{3 \frac{6}{8}}$

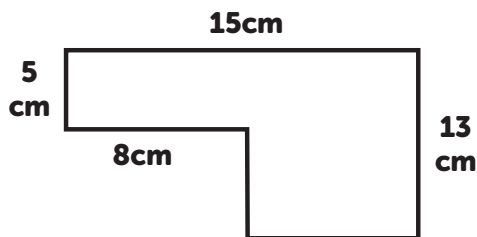
10

$$(3 \times 7) - (21 - 10) =$$

$$10$$

2

What is the perimeter and area of the shape shown below?

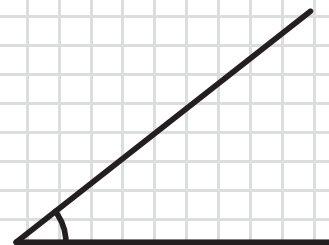


$$\text{Perimeter} = \underline{56\text{cm}}$$

$$\text{Area} = \underline{131\text{cm}^2}$$

4

Measure the size of the angle



**38°**

(36° to 40°)

MY LAST SCORE?! .....

HAVE I BEAT THAT?! .....

