

SATS coACH - one page wonder mini-tests!

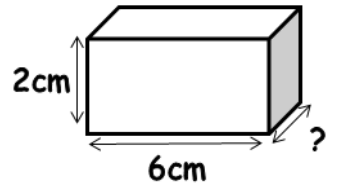


Question	KEY SKILL	A1	A2	A3	A4	A5
1	Long multiplication HTU × TU					
2	Perimeter					
3	Temperature difference (negative nos.)					
4	Roman Numerals					
5	Algebra expressions					
6	Decimal subtraction column method					
7	Angles on a straight line					
8	Coin and money combinations					
9	Fractions and decimals					
10	Reading scales					
11	Long division (chunking)					
12	Short division (bus shelter)					
13	Square number calculations					
14	Volume					
15	Factors and multiples					
16	3D shapes - faces, edges, vertices					
17	Balancing equations					
18	Ordering fractions, decimals, percentages					
19	Halving decimals					
20	Time calculations					
21	BODMAS					
22	Halfway between 2 numbers					
23	Area					
24	Decimal addition column method					
25	Fraction of a quantity					
26	Multiply / divide by 10, 100, 1000					
27	Prime numbers					
28	Percentages					
29	Coordinates - easier					
30	Tenths as decimals					
31	Hundredths as decimals					
32	Calculations with fractions					
33	Mean					
34	Angles in a triangle					
35	I am thinking of a number...					
36	Converting metric units 1					
37	Converting metric units 2					
38	Shade a fraction of a shape					
39	=, > or <					
40	Proportion					
41	Reflection and symmetry					
42	Quadrilaterals					
43	Pie charts and percentages					
44	Pie charts and estimation					
45	Missing Digits					
46	Coordinates harder					

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One page wonder mini-test
Attempt 1 – Here we go !



14) The volume of the cuboid is 48cm^2 what is the missing length?



1) Calculate

$$435 \times 23$$

2) If a rectangle has perimeter 32 cm and the length is 10cm. What is the width ? (HINT:- Draw a rectangle and label it!)

3) The temperature in London is -4 degrees and Manchester is 12 degrees. What is the difference in temperature?

4) Write 157 in Roman Numerals

15) Which of these are factors of 20 ?

2 40 5 100 10

16) How many vertices does a triangular prism have ?

17) $50 - \square = \square + 10$

18) Put these in order

0.5 32% $\frac{3}{10}$

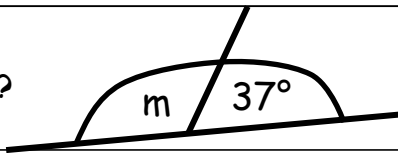
5) David is n years old. His sister is 3 years older. Write an expression for his sister's age?

19) What is half of 8.7 ?

6) Calculate

$$32.18 - 7.62$$

7) What is the mystery angle m?



20) What is 35 minutes before 2:10 P .M. ?

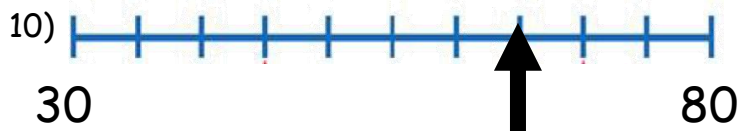
21) What is $90 \div (5 \times 6)$

8) List 6 coins that could make £1.80 ?

22) What is halfway between 32 and 66 ?

9) circle the number that is greater
 $1\frac{1}{3}$ 1.03

23) A rectangle measures 5 by 7cm. What is its area ?



24) Calculate $4.72 + 17.9$

11) Calculate

$$736 \div 23$$

25) What is $\frac{5}{6}$ of 42 ?

12) Calculate

$$582 \div 6$$

26)

$$473 \div 100$$

13) What is

$$7^2 - 3^2$$

27) Name the prime numbers between 20 and 30

28) 200 children went on holiday. 10% went to Wales. 25% went to Scotland. How many more went to Scotland than Wales?

29) What is the coordinate of point C?

(5,9) A (9,9) B

(5,4) D (?,?,?) C

30) What is seven tenths as a decimal?

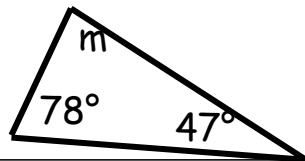
31) What is seven hundredths as a decimal?

32) Calculate $\frac{3}{4} + \frac{5}{8}$

33) What is the MEAN of these numbers?

8 4 8 4 6

34) What is the mystery angle m?

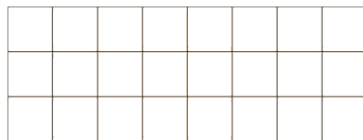


35) Mystery number, add 0.5 to the number and then double the result. Then subtract 0.5 and double the new result. Final answer 61. ???

36) How many cm in 4.2 metres?

37) How many kilograms is 7340 grams?

38) Copy this shape (8 by 3) and shade in $\frac{1}{3}$

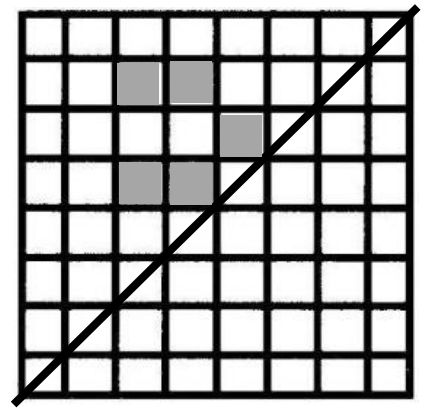


39) Choose the correct symbol =, < or >

8×2 $27 \div 3$

40) 2 bags of crisps cost 82 p. How much do 7 bags cost?

41) Reflect this pattern in the mirror line. (use a mirror to check or trace the shape + mirror line and flip it over!)



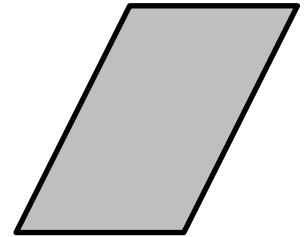
42) True (T) or False (F) for this quadrilateral

1 line of symmetry ☐

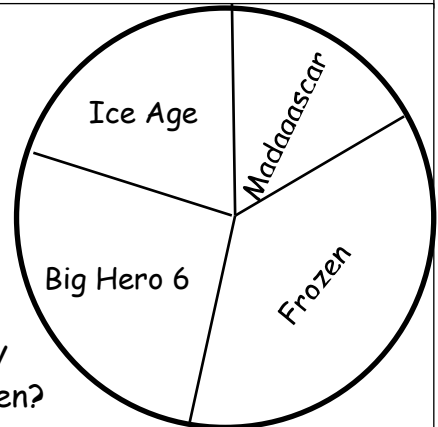
2 pairs parallel lines ☐

No right angles ☐

2 pairs equal sides ☐



43) Estimate the % of people whose favourite film was Ice Age



44) 5 people said Madagascar. Roughly How many said Frozen?

45)

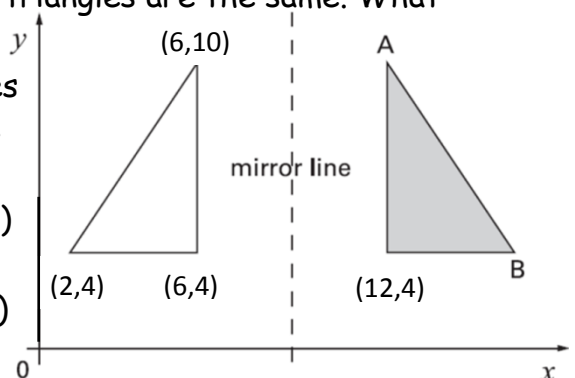
Write the four missing digits to make this addition correct.

$$\begin{array}{cccc} \boxed{} & 6 & \boxed{} & 8 \\ + & 3 & \boxed{} & 9 \\ \hline 9 & 0 & 1 & 9 \end{array}$$

46) These triangles are the same. What are the coordinates of A and B

A = (,)

B = (,)





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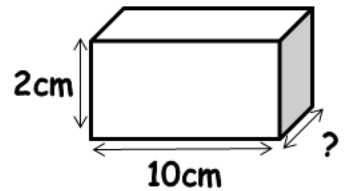


One page wonder mini-test

Attempt 2 – similar questions again!

14)

The volume of the cuboid is 100cm^3
what is the missing length?



2) Calculate

$$516 \times 24$$

2) If a rectangle has perimeter 40 cm and the length is 16cm. What is the width? (HINT:- Draw a rectangle and label it!)

3) The temperature in Hull is -7 degrees and Glasgow is 13 degrees. What is the difference in temperature?

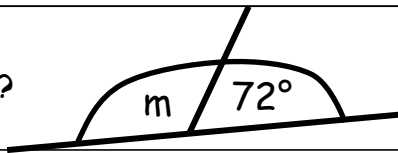
4) Here is a number written in roman numerals **CXV** Write this number in figures

5) Steven is n years old. His brother is 5 years older. Write an expression for his brother's age?

6) Calculate

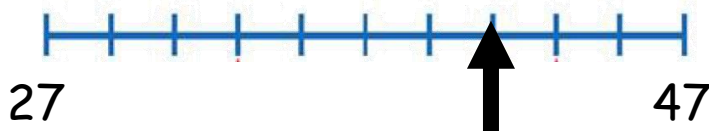
$$43.29 - 5.45$$

7) What is the mystery angle m ?



8) List 6 coins that could make $\pounds 1.50$?

9) circle the number that is greater
 $1\frac{1}{4}$ 1.4



11) Calculate

$$1204 \div 28$$

12) Calculate

$$658 \div 7$$

13) What is

$$6^2 + 4^2$$

15) Which of these are factors of 24?

240 8 3 12 48

16) How many vertices does a cube have?

17) $60 - \square = \square + 30$

18) Put these in order

0.06 57% $\frac{4}{10}$

19) What is half of 6.9?

20) What is 45 minutes before 8:20 P.M.?

21) What is $60 \div (2 \times 6)$

22) What is halfway between 21 and 37?

23) A rectangle measures 4 by 12cm. What is its area?

24) Calculate

$$3.51 + 16.7$$

25) What is $\frac{2}{7}$ of 28?

26)

$$6.7 \div 100$$

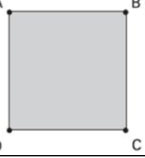
27) Name the prime numbers between 10 and 20

29) 160 children went on holiday. 10% went to USA. 25% went to Ireland. How many more went to Ireland than USA?

29) What is the coordinate of point C?

(6,8) A (11,8) B

(6,3) D (?,?,?) C



30) What is 4 tenths as a decimal?

31) What is 4 hundredths as a decimal?

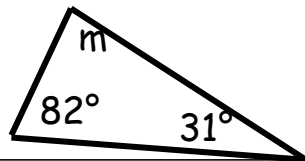
32) Calculate

$$\frac{3}{5} + \frac{7}{10}$$

33) What is the MEAN of these numbers?

3 3 2 9 9 10

34) What is the mystery angle m?

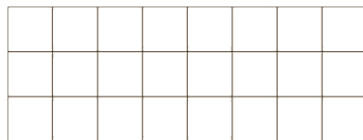


35) Mystery number, add 0.5 to the number and then double the result. Then subtract 0.5 and double the new result. Final answer 51. ???

36) How many cm in 2.6 metres?

37) How many kilograms is 4,320 grams?

38) Copy this shape (8 by 3) and shade in $\frac{1}{6}$

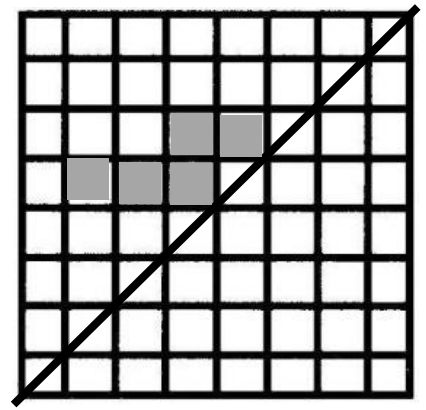


39) Choose the correct symbol =, < or >

3×5 $50 \div 2$

40) 3 bars of choc cost 60 p. How much do 7 bars cost?

41) Reflect this pattern in the mirror line.



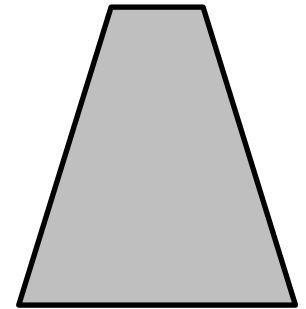
42) True (T) or False (F) for this quadrilateral

1 line of symmetry ☐

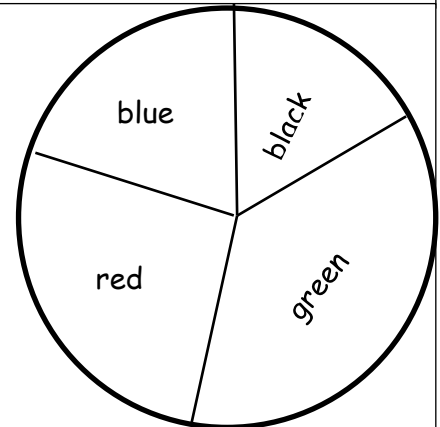
2 pairs parallel lines ☐

No right angles ☐

2 pairs equal sides ☐



43) Estimate the % of people whose favourite colour was green



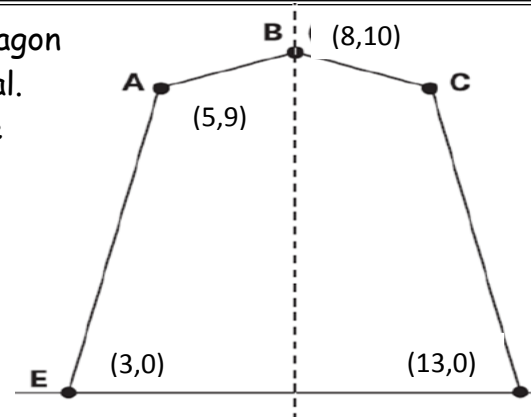
44) 6 people said black. Roughly How many said red?

45)

Write the four missing digits to make this addition correct.

$$\begin{array}{cccc} \boxed{} & 4 & \boxed{} & 3 \\ + & 3 & \boxed{} & 9 \\ \hline 8 & 0 & 1 & 9 \end{array}$$

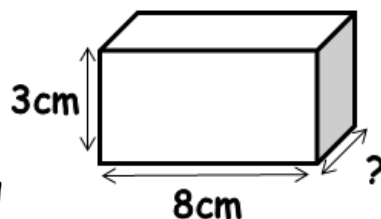
46) The pentagon is symmetrical. What are the coordinates of C





14)

The volume of the cuboid is 48cm^3
what is the missing length?



3) Calculate

$$462 \times 28$$

2) If a rectangle has perimeter 52 cm and the length is 15cm. What is the width ?
(HINT:- Draw a rectangle and label it!)

3) The temperature in Stone is -8 degrees and Stafford is 9 degrees.
What is the difference in temperature?

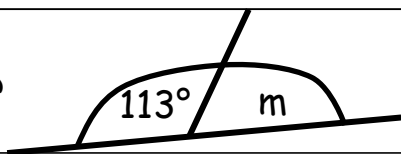
4) Here is a number written in roman numerals
XVII Write this number in figures

5) A train carriage holds n passengers. Write an expression for the number of passengers in 12 of these carriages?

6) Calculate

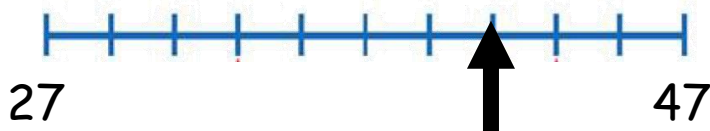
$$64.38 - 7.64$$

7) What is the mystery angle m ?



8) List 6 coins that could make $\pounds 1.10$?

9) circle the number that is greater
 $1\frac{3}{100}$ 1.3



11) Calculate

$$442 \div 17$$

12) Calculate

$$984 \div 8$$

13) What is

$$3^2 + 7^2$$

15) Which of these are factors of 30 ?

60 90 3 10 15

16) How many edges does a cuboid have ?

17) $90 - \square = \square + 20$

18) Put these in order

0.6 68% $\frac{2}{3}$

19) What is half of 13.3 ?

20) What is 25 minutes before 3:10 P.M. ?

21) What is $80 \div (4 \times 5)$

22) What is halfway between 25 and 59?

23) A rectangle measures 8 by 6cm. What is its area ?

24) Calculate

$$4.82 + 13.6$$

25) What is $\frac{3}{8}$ of 56 ?

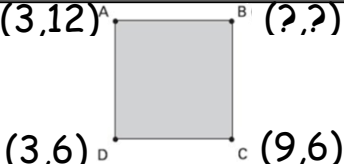
26)

$$4.9 \div 1000$$

27) Name the prime numbers between 0 and 10

30) 120 children went on holiday. 10% went to Turkey. 25% went to Austria. How many more went to Austria than Turkey?

29) What is the coordinate of point B ?



(3,12)^A (3,6)^D (9,6)^C (? , ?)^B

30) What is 9 tenths as a decimal ?

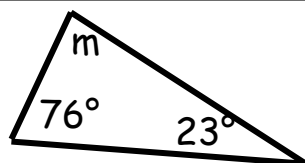
31) What is 9 hundredths as a decimal ?

32) What is $\frac{1}{2} \div 4$?

33) What is the MEAN of these numbers ?

21 19 32 20 8

34) What is the mystery angle m?

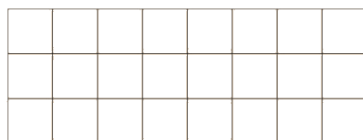


35) Mystery number, add 1 to the number and then double the result. Then subtract 0.5 and double the new result. Final answer 27. ???

36) How many metres is 340 centimetres ?

37) How many grams is 5.6 kilograms ?

38) Copy this shape (8 by 3) and shade in $\frac{2}{3}$

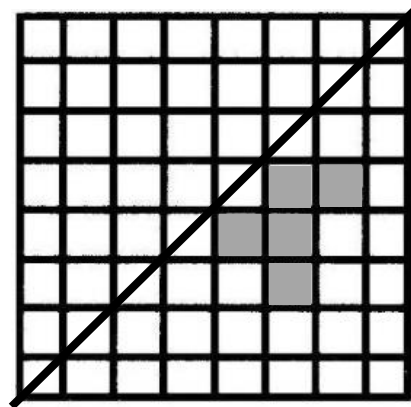


39) Choose the correct symbol = , < or >

5×9 $90 \div 2$

40) 2 apples cost 50 p.
How much do 5 apples cost?

41) Reflect this pattern in the mirror line.



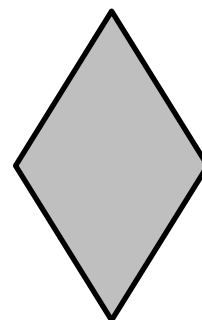
42) True (T) or False (F) for this quadrilateral

1 line of symmetry ☐

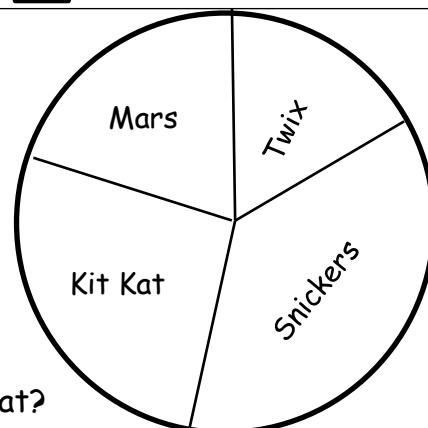
2 pairs parallel lines ☐

No right angles ☐

2 pairs equal sides ☐



43) Estimate the % of people whose favourite chocolate was Mars bar.



44) 3 people said Twix. Roughly How many said Kit Kat?

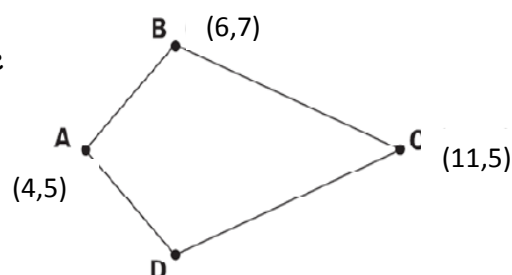
45)

Write the four missing digits to make this addition correct.

	6		5
+			
6		2	

9	2	7	1

46) Here is a kite.
What are the coordinates of D



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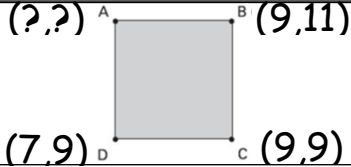
One page wonder mini-test

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Attempt 4 – Stick at it !

<div>4) Calculate</div> <div>617 × 23</div>	<div>14)</div> <div>The volume of the cuboid is 1100cm² what is the missing length?</div> <div> </div>
<div>2) If a rectangle has perimeter 22 cm and the length is 7 cm. What is the width ? (HINT:- Draw a rectangle and label it!)</div>	<div>15) Which of these are multiples of 40 ?</div> <div>80 2 10 120 4</div>
<div>3) The temperature in Walsall is -5 degrees and Leek is 16 degrees. What is the difference in temperature?</div>	<div>16) How many vertices does a triangular based pyramid have ?</div>
<div>4) Here is a number written in roman numerals CXXV Write this number in figures</div>	<div>17) 80 - <input type="text"/> = <input type="text"/> +20</div>
<div>5) A tube of smarties holds n smarties. Imogen eats 8 of these smarties. Write an expression for the number of smarties in the tube now.</div>	<div>18) Put these in order</div> <div>0.9 47% $\frac{4}{5}$</div>
<div>6) Calculate</div> <div>32.17 - 3.26</div>	<div>19) What is half of 7.7 ?</div>
<div>7) What is the mystery angle m?</div> <div> </div>	<div>20) What is 40 minutes before 5:25 P.M. ?</div>
<div>8) List 6 coins that could make £1.40 ?</div>	<div>21) What is 600 ÷ (5 × 20)</div>
<div>9) circle the number that is greater</div> <div>1 ³/₅ 1.35</div>	<div>22) What is halfway between 32 and 50?</div>
<div> </div>	<div>23) A rectangle measures 7 by 12cm. What is its area ?</div>
<div>11) Calculate</div> <div>832 ÷ 13</div>	<div>24) Calculate</div> <div>1.73 + 14.7</div>
<div>12) Calculate</div> <div>508 ÷ 4</div>	<div>25) What is 5/9 of 45 ?</div>
<div>13) What is</div> <div>8² - 5²</div>	<div>26)</div> <div>13.9 ÷ 10</div>
	<div>27) Name the prime numbers between 5 and 15</div>

31) 180 children went on holiday. 10% went to Germany. 25% went to Russia. How many more went to Russia than Germany?

29) What is the coordinate of point A ? 

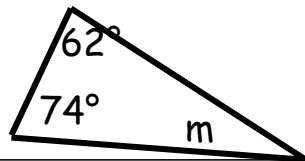
30) What is 1 tenth as a decimal ?

31) What is 1 thousandth as a decimal ?

32) What is $\frac{1}{2} \times \frac{2}{3}$

33) What is the MEAN of these numbers ?
15 31 8 10 49 15 12

34) What is the mystery angle m?

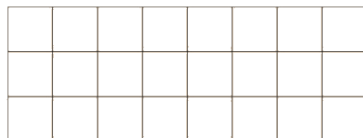


35) Mystery number, add 4 to the number and then double the result. Then subtract 1.5 and double the new result. Final answer 41. ???

36) How many cm in 8.4 metres ?

37) How many millilitres is 6.12 litres ?

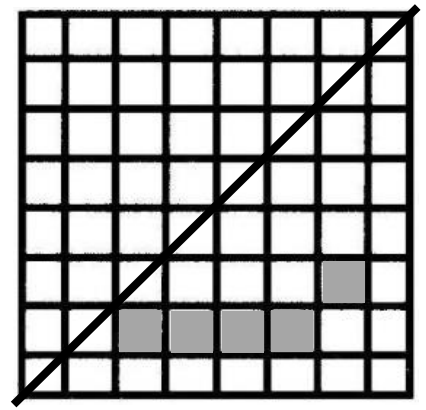
38) Copy this shape (8 by 3) and shade in $\frac{1}{4}$



39) Choose the correct symbol = , < or >
 7×7 $80 \div 8$

40) 4 pears cost 48 p.
How much do 7 pears cost?

41) Reflect this pattern in the mirror line.



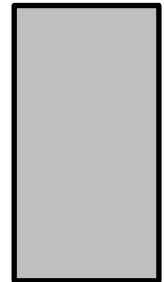
42) True (T) or False (F) for this quadrilateral

1 line of symmetry ☐

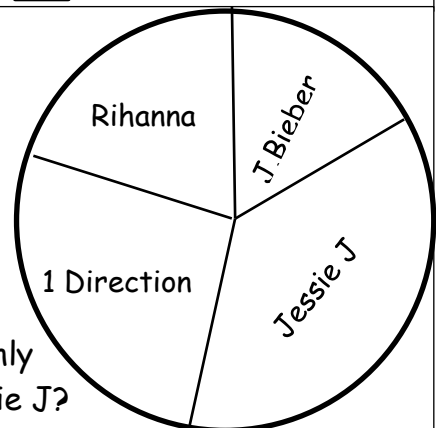
2 pairs parallel lines ☐

No right angles ☐

2 pairs equal sides ☐



43) Estimate the % of people whose favourite pop star was Rihanna



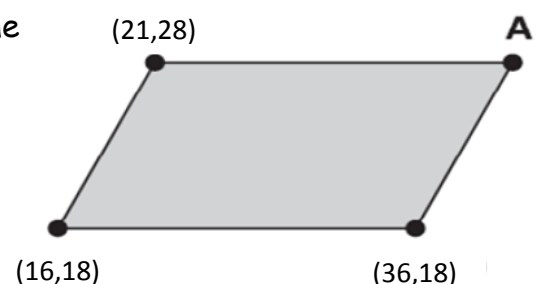
44) 7 people said Justin Bieber. Roughly How many said Jessie J?

45)

Write the four missing digits to make this addition correct.

$$\begin{array}{cccc} \boxed{} & 6 & \boxed{} & 4 \\ + & 3 & 9 & \boxed{} \\ \hline 9 & 4 & 1 & 7 \end{array}$$

46) The shape is a parallelogram. What are the coordinates of A



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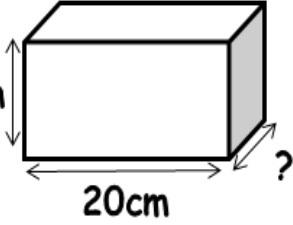
One page wonder mini-test

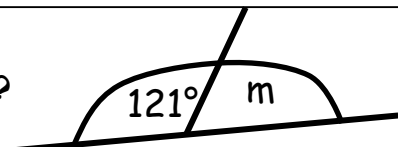
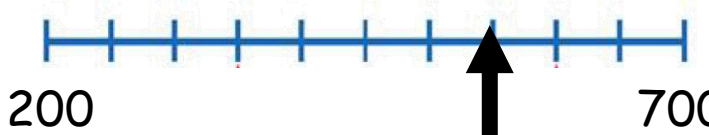
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Attempt 5 – SATS expert!

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14) The volume of the cuboid is 240cm^2 what is the missing length? 
15) Which of these are factors of 24 ? 240 8 3 12 48
16) How many vertices does a cone have ?
17) $40 - \square = \square + 30$
18) Put these in order 74% 0.7 $\frac{3}{4}$
19) What is half of 18.1 ?
20) What is 50 minutes before 10:15 P.M. ?
21) What is $8 \times (8 + 2)$
22) What is halfway between 52 and 74?
23) A rectangle measures 11 by 12 cm. What is its area ?
24) Calculate $6.94 + 11.9$
25) What is $\frac{4}{7}$ of 63 ?
26) $21.6 \div 1000$
27) Name the prime numbers between 15 and 25

5) Calculate 516×24
2) If a rectangle has perimeter 42 cm and the length is 12cm. What is the width ? (HINT:- Draw a rectangle and label it!)
3) The temperature in Newcastle is 8 degrees and Devon is -12 degrees. What is the difference in temperature?
4) Here is a number written in roman numerals CCCLVI Write this number in figures
5) Mike is n years old. His uncle is twice his age. Write an expression for his uncle's age?
6) Calculate $17.48 - 8.19$
7) What is the mystery angle m? 
8) List 6 coins that could make £1.30 ?
9) circle the number that is greater $1\frac{9}{10}$ 1.8

11) Calculate $1431 \div 27$
12) Calculate $783 \div 9$
13) What is $10^2 - 6^2$

32) 300 children went on holiday. 10% went to France. 25% went to Portugal. How many more went to Portugal than France?

29) What is the coordinate of point C?

(7,11)^A (17,11)^B

(7,1)^D (?, ?)^C

30) What is 8 hundredths as a decimal?

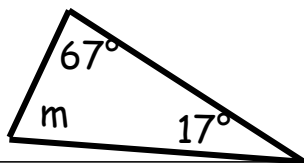
31) What is 8 thousandths as a decimal?

32) Calculate $\frac{5}{8} - \frac{2}{5}$

33) The mean of 4 numbers is 7. What's the missing number?

5 7 10 ??

34) What is the mystery angle m?

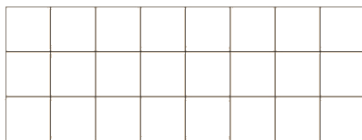


35) Mystery number, add 3 to the number and then double the result. Then subtract 0.5 and double the new result. Final answer 35. ???

36) How many metres is 760 centimetres?

37) How many litres is 8,200 millilitres?

38) Copy this shape (8 by 3) and shade in $\frac{1}{12}$

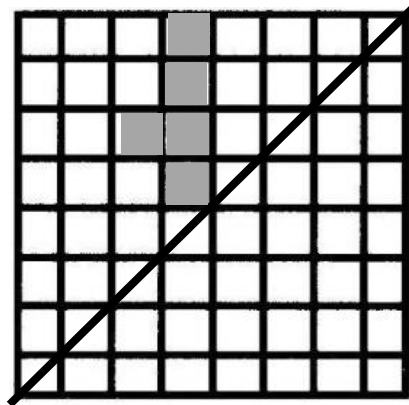


39) Choose the correct symbol = , < or >

3×8 $100 \div 4$

40) 4 ice-creams cost 36 p. How much do 9 ice creams cost?

41) Reflect this pattern in the mirror line.



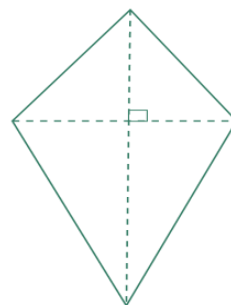
42) True (T) or False (F) for this quadrilateral

1 line of symmetry ☐

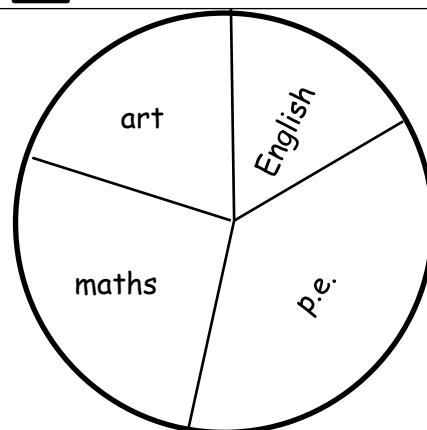
2 pairs parallel lines ☐

No right angles ☐

2 pairs equal sides ☐



43) Estimate the % of people whose favourite subject was p.e.



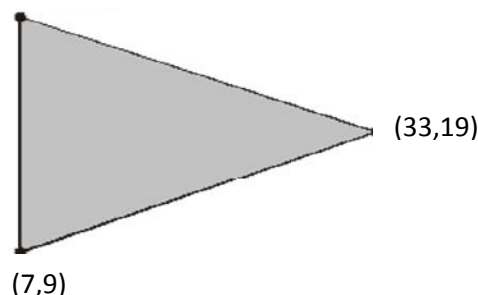
44) 10 people said art. Roughly How many said p.e?

45)

Write the four missing digits to make this addition correct.

	5		2
+	1		8
<hr/>			
9	0	3	4

46) The shape is an isosceles triangle. What is the missing coordinate



**For answers to each
one page wonder
mini-test, see
separate Powerpoint**