

A

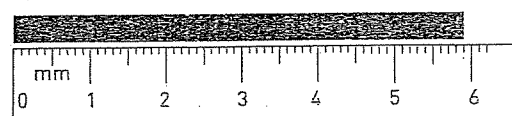
- $4 + 7 + 6$ _____
- $5 + 3 + 15$ _____
- $12 - 8$ _____
- $17 - 9$ _____
- 2×7 _____
- 3×7 _____
- Sevens in 21 _____
- $14 \div 7$ _____
- Place value of 4 in 472 _____
- Tally marks for 17 _____

11 $6 + 5 = 11$ so $11 - 5 =$

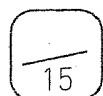
12 $\frac{1}{2}$ of 14 _____



14 Measure in millimetres:



15 Angles in a square _____



B

- $16 + 8 + 14$ _____
- $15 + 9 + 25$ _____
- $27 - 5$ _____
- $26 - 8$ _____
- 4×7 _____
- 9×7 _____
- Sevens in 28 _____
- $63 \div 7$ _____
- Which is larger, 2 463 or 2 634? _____
- Ordinal number after sixteenth _____

11 $32 + 8 = 40$ so $40 - 8 =$

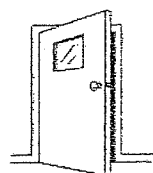
12 $\frac{1}{4}$ of 28 = 7 so $\frac{3}{4}$ of 28 =

13 Decimal 0.1 more than 0.9 _____

14 Add the unit of measure, cm^2 or m^2 :



4 _____

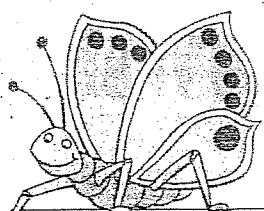


2 _____



80 _____

15 A cylinder has a _____ for a base.



1 + 7 + 9
Think!
Move numbers so
they add easily.
1 + 9 + 7 = 17

C

- $13 + 4 + 17$ _____
- $22 + 7 + 8$ _____
- $32 - 4$ _____
- $36 - 9$ _____
- 6×7 _____
- 5 rows of 7 _____
- $35 \div 7$ _____
- Groups of 7 in 42? _____
- 50 more than 1 254 _____
- First even number before 36 _____

11 $36 + 8 = 44$ so $44 - 36 =$

12 $\frac{1}{5}$ of 35 = 7 so $\frac{3}{5}$ of 35 =

13 Decimal 0.1 less than 0.9 _____

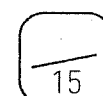
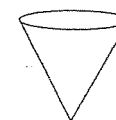
14 Dan is double the mass of Tim, who is 39 kg. What is Dan's mass? _____

15 A cone has:

a _____ faces

b _____ corners

c _____ edges



D

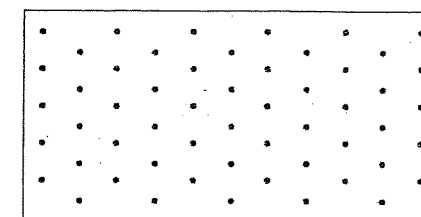
- $27 + 5 + 13$ _____
- $32 + 6 + 18$ _____
- $43 - 9$ _____
- $56 - 7$ _____
- 10×7 _____
- 7×7 _____
- Rows of 7 in 49 _____
- $70 \div 7$ _____
- 300 more than 2 745 _____
- Next odd number after 421 _____

11 $218 + 12 = 230$ so $230 - 12 =$

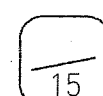
12 $\frac{7}{10}$ of 70 _____

13 Colour 0.09:

14 Draw a model made from 4 cubes.



15 How many faces on a cylinder? _____



32 - 8
Think! Start at 32
and count back 8.
 $32 - 8 = 24$

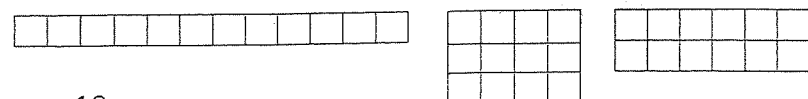


We can make rectangles with 16 squares.

We can use 1 and 16, 2 and 8, or 4 and 4.

These numbers are factors of 16. 16 is a multiple of each number.

Use these rectangles to find the factors of 12.



a $12 =$ _____ \times _____

b $12 =$ _____ \times _____

c $12 =$ _____ \times _____

d The factors of 12 are _____

To add 19 I add 20 then subtract 1.

To add 29 I add 30 then subtract 1.

To add 39 I add 40 then subtract 1.

Complete the addition grids.

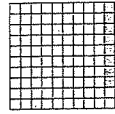
a

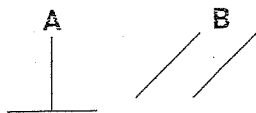
+	8	14	17	19	22	36
19						
29						
39						

b

+	7	15	18	23	25	28
19						
29						
39						

A

- $16 + 8$ _____
- $17 + 5$ _____
- $18 - 14$ _____
- $24 - 12$ _____
- 1×4 _____
- 2×2 _____
- List the factors of 4 _____
- $40 \div 10$ _____
- Place value of 5 in 562 _____
- First odd number before 81 _____
- $10 - 2 = 8$ so $10 - 8 = \square$
- $\frac{1}{10}$ of 40 _____
- What fraction is shaded? 
- Litres in 6 000 millilitres _____
- Which set of lines is parallel? _____

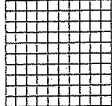


B

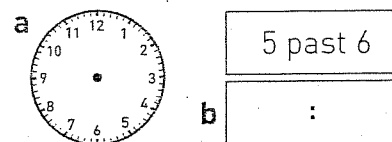
- $24 + 9$ _____
- $35 + 8$ _____
- $26 - 13$ _____
- $29 - 17$ _____
- 1×6 _____
- 2×3 _____
- List the factors of 6 _____
- $36 \div 6$ _____
- Tens in 3 571 _____
- Smallest 3-digit number from 2, 8, 1 _____


11 $15 - 6 = 9$ so $15 - 9 = \square$

12 $\frac{1}{2}$ of 36 _____

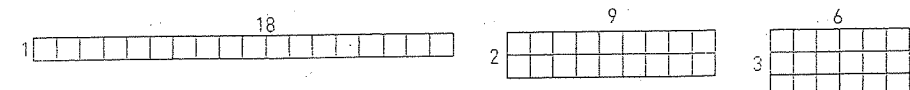
13 Shade $\frac{8}{10}$: 

14 Complete the clockface and label.

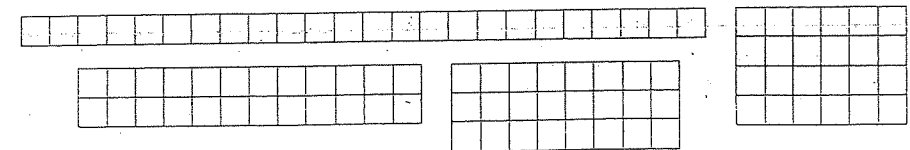


15 Angles in an octagon. 

37 + 6
Think! Start at 37
and count on 6.
 $37 + 6 = 43$

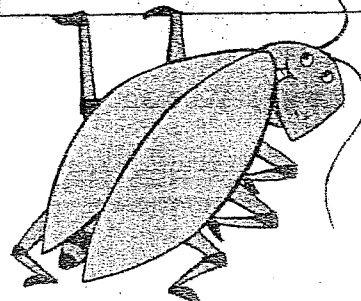


Use the rectangles to find the factors of 24.



- $24 = \dots \times \dots$
- $24 = \dots \times \dots$
- $24 = \dots \times \dots$
- $24 = \dots \times \dots$
- The factors of 24 are _____

We can make rectangles with 18 squares. We can use 18 lots of 1, 2 lots of 9, or 3 lots of 6. These numbers are the factors of 18. 18 is a multiple of each number.

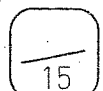


C

- $32 + 9$ _____
- $43 + 7$ _____
- $35 - 14$ _____
- $38 - 17$ _____
- 1×9 _____
- 3×3 _____
- List the factors of 9 _____
- $81 \div 9$ _____
- Tens in 1 906 _____
- Ordinal number for thirty-sixth _____
- $20 - 13 = 7$ so $20 - 7 = \square$
- $\frac{1}{4}$ of 36 = 9 so $\frac{3}{4}$ of 36 = \square
- $\frac{8}{10}$ as a decimal _____
- Close this book and measure it from:
 - top to bottom _____ cm
 - side to side _____ cm



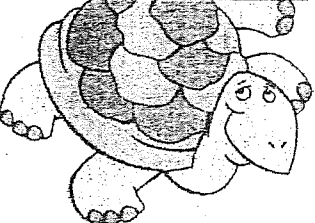
Each of these cross-sections will be a _____.



D

- $56 + 8$ _____
- $59 + 9$ _____
- $46 - 15$ _____
- $59 - 12$ _____
- 2×8 _____
- 4×4 _____
- List the factors of 16 _____
- $16 \div 4$ _____
- Place value of 3 in 3 916 _____
- Is 36 an even number? _____
- $24 - 14 = 10$ so $24 - \square = 14$
- $\frac{3}{8}$ of 48 _____
- Which is greater, $\frac{8}{10}$ or $\frac{8}{100}$? _____
- My floor has an area of 16 m². I covered it with a mat of 9 m². What area is uncovered? _____
- I have one curved surface and no flat surface. What am I? _____

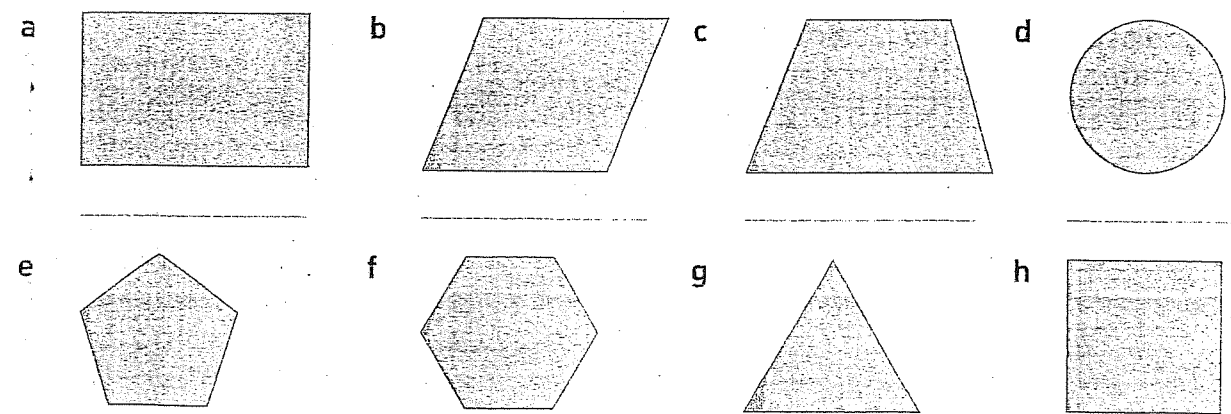
$36 - 15$
Split the tens and ones.
 $30 - 10 = 20$
 $6 - 5 = 1$
 $20 + 1 = 21$



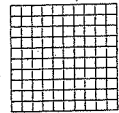
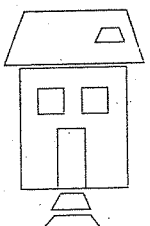
Plane shapes are 2-dimensional shapes. They are also known as polygons.



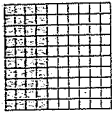
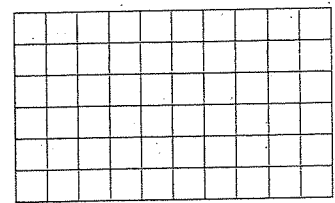
Name each plane shape.

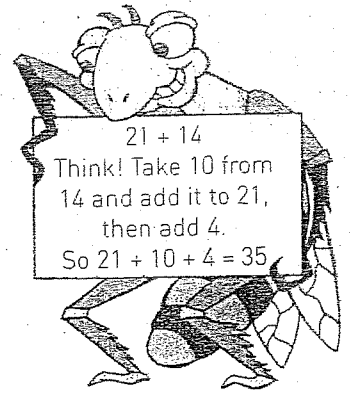


A

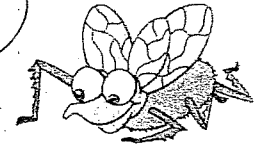
- 1 $12 + 15$ _____
- 2 $18 + 13$ _____
- 3 $13 - 6$ _____
- 4 $15 - 9$ _____
- 5 1×8 _____
- 6 2×4 _____
- 7 Factors of 8 _____
- 8 $64 \div 8$ _____
- 9 40 more than 444 _____
- 10 24, _____, 32, 36, 40
- 11 $7 \times 4 = 28$ so $28 \div 4 =$
- 12 $\frac{1}{4}$ of 8 _____
- 13 Shade $\frac{4}{10}$: 
- 14 1 kg costs \$1.50 so 5 kg costs _____
- 15 Colour the trapeziums red. Use blue and green for the squares and rectangles. 

B

- 1 $23 + 17$ _____
- 2 $26 + 15$ _____
- 3 $28 - 9$ _____
- 4 $33 - 7$ _____
- 5 2×9 _____
- 6 6×3 _____
- 7 Factors of 18 _____
- 8 $18 \div 9$ _____
- 9 Hundreds in 1 463 _____
- 10 30, 36, _____, 48, 54
- 11 $9 \times 4 = 36$ so $36 \div 9 =$
- 12 $\frac{1}{2}$ of 18 _____
- 13 What fraction is shaded? 
- 14 Short form for cubic centimetre _____
- 15 Rule a trapezium on the grid paper. 

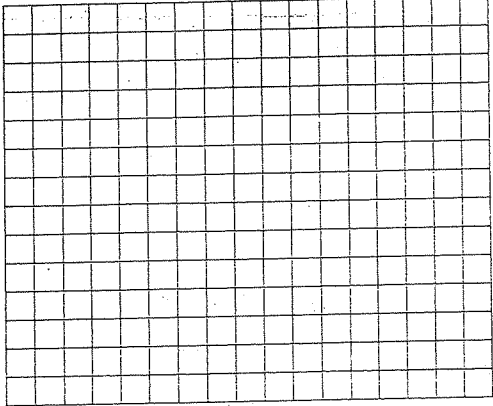


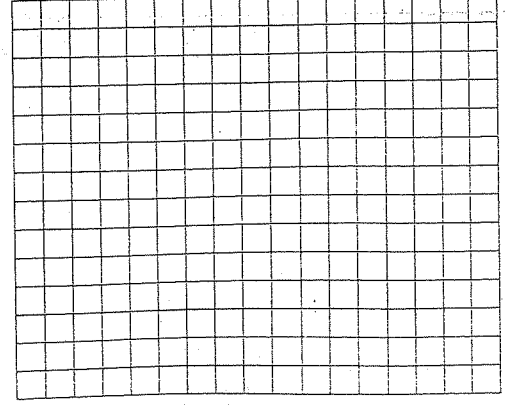
A factor is any number which divides exactly into another number.



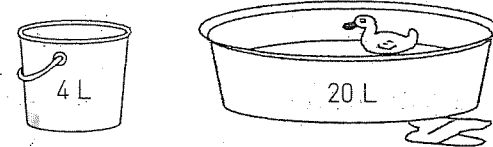
$6 = 6 \times 1$
 $6 = 2 \times 3$
The factors of 6 are 1, 6, 2 and 3.

Use the grid paper to find the factors of:

a 14 

b 16 

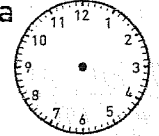
C

- 1 $33 + 18$ _____
- 2 $42 + 19$ _____
- 3 $41 - 8$ _____
- 4 $45 - 7$ _____
- 5 2×6 _____
- 6 3×4 _____
- 7 Factors of 12 _____
- 8 $12 \div 6$ _____
- 9 Hundreds in 3 245 _____
- 10 48, 56, 64, _____, 80
- 11 $7 \times 8 = 56$ so $56 \div$ = 8
- 12 Halves in 12 _____
- 13 $\frac{4}{10}$ as a decimal _____
- 14 

How many buckets of water will fill the bath? _____

15 A trapezium has _____ pair of opposite sides parallel.

D

- 1 $54 + 17$ _____
- 2 $52 + 19$ _____
- 3 $53 - 7$ _____
- 4 $62 - 8$ _____
- 5 4×6 _____
- 6 3×8 _____
- 7 Factors of 24 _____
- 8 $24 \div 3$ _____
- 9 Order from smallest: 1 624, 1 264, 1 426 _____
- 10 60, 54, _____, 42, 36
- 11 $9 \times 8 = 72$ so $72 \div$ = 9
- 12 Quarters in 12 _____
- 13 Is $\frac{4}{10} = \frac{40}{100}$? _____
- 14 Complete the clockface and label: 

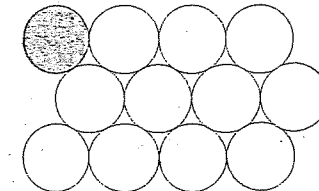
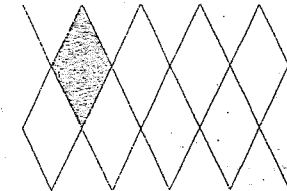
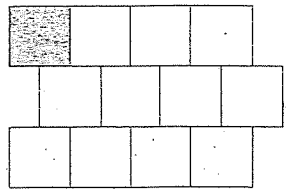
36 - 7
Think! Start at 36 and count back 7.
 $36 - 7 = 29$

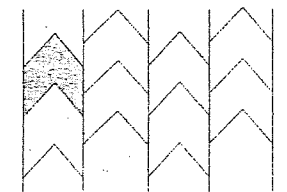
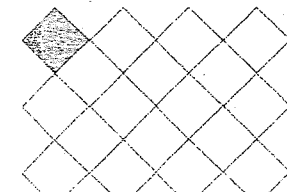
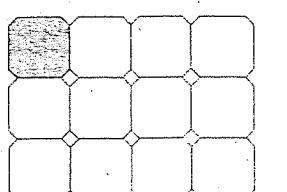


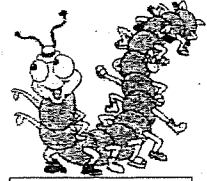
a 20 to 3
b :

15 A parallelogram has _____ pairs of opposite sides parallel.

Which of these patterns are tessellations? Colour in the tessellating shapes.

a  b  c 

d  e  f 



A tessellation is made by identical shapes fitting together without gaps or overlaps.

A

- $14 + 16$ _____
- $17 + 13$ _____
- $14 - 9$ _____
- $17 - 9$ _____
- 7×3 _____
- 9 groups of 3 _____
- $27 \div 3$ _____
- Threes in 21 _____
- Is $357 > 375$? _____
- 18, 21, 24, _____, 30

11 $9 \times 3 = 27$ so $27 \div 9 = \square$

12 $\frac{1}{5}$ of 15 _____

13 Shade 0.53:

14 Millimetres in 5 centimetres _____

15 a Name this shape.

b How many angles?

15

B

- $28 + 12$ _____
- $34 + 16$ _____
- $25 - 19$ _____
- $28 - 19$ _____
- 6 rows of 6 _____
- 8×6 _____
- Sixes in 36 _____
- $48 \div 6$ _____
- Is 946 closer to 900 or 1 000? _____
- 54, _____, 42, 36, 30

11 $7 \times 6 = 42$ so $42 \div \square = 6$

12 $\frac{1}{8}$ of 48 = 6 so $\frac{5}{8}$ of 48 = \square

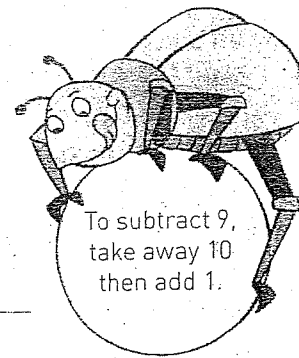
13 What decimal is coloured?

14 Circle the best estimate for each area:

- a door 2 m^2 40 m^2
 b handprint 75 cm^2 750 cm^2
 c CD cover 150 cm^2 150 m^2

15 How many sides on a trapezium?

15



C

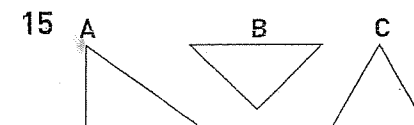
- $35 + 25$ _____
- $31 + 29$ _____
- $36 - 19$ _____
- $42 - 19$ _____
- 9×6 _____
- 10 rows of 6 _____
- $60 \div 6$ _____
- 54 divided by 9 _____
- Is $2\,509 < 2\,590$? _____
- 42, 48, _____, 60, 66

11 $10 \times 6 = 60$ so $60 \div 10 = \square$

12 $\frac{1}{10}$ of 60 = 6 so $\frac{7}{10}$ of 60 = \square

13 0.67 as a fraction _____

14 Is 500 grams equal to $\frac{1}{2}$ kilogram? _____



Which triangle has:

a 3 sides equal? _____

b only 2 sides equal? _____

15

15

D

- $37 + 33$ _____
- $42 + 28$ _____
- $43 - 29$ _____
- $56 - 29$ _____
- 7 groups of 6 _____
- 6×5 _____
- $42 \div 6$ _____
- Sixes in 30 _____
- Largest 4-digit numeral from 3, 7, 2, 5, _____

10 48, 42, 36, _____, 24

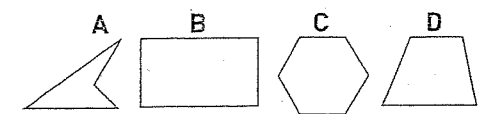
11 $7 \times 6 = 42$ so $42 \div 7 = \square$

12 $\frac{4}{5}$ of 30 _____

13 0.2 as a fraction _____

14 A cube with 1 cm sides has a volume of _____

15 Circle the quadrilaterals:



15

To subtract 19 I subtract 20 then add 1.

To subtract 29 I subtract 30 then add 1.

To subtract 39 I subtract 40 then add 1.

Complete the subtraction grids.

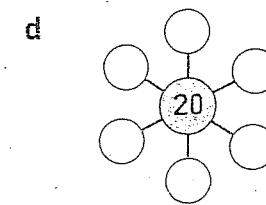
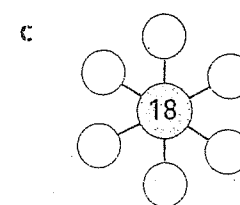
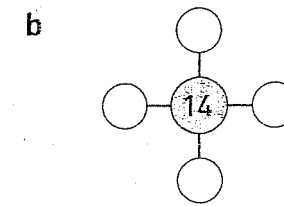
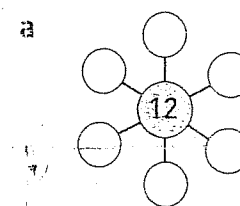
a

-	44	48	53	61	72	75
19						
29						
39						

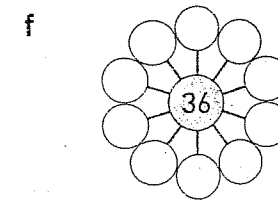
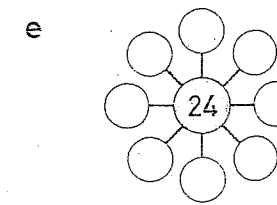
b

-	47	45	56	63	77	82
19						
29						
39						

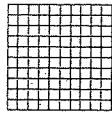
Complete the factor wheels.



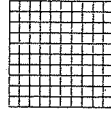
Finding factors is easy when you know your times tables. Factor wheels show all the factors of a number. e.g. $1 \times 6 = 6$ $2 \times 3 = 6$



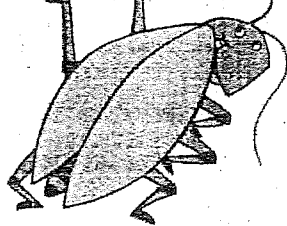
A

- $9 + 6$ _____
- $7 + 8$ _____
- $16 - 9$ _____
- $18 - 9$ _____
- 2×9 _____
- 5×9 _____
- Twos in 18 _____
- $45 \div 9$ _____
- Place value of 6 in 1 360 _____
- 9, _____, 27, 36, 45
- $9 + 9 + 9 = \square \times 9$
- $\frac{1}{2}$ of 18 _____
- Colour $\frac{3}{100}$: 
- It took 4 buckets of water to fill a 20 litre pond. How many litres in each bucket? _____
- Is a hexagon a plane shape? 15

B

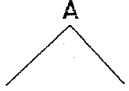
- $16 + 9$ _____
- $26 + 7$ _____
- $27 - 19$ _____
- $32 - 19$ _____
- 4×9 _____
- 8×9 _____
- $72 \div 9$ _____
- 36 in 4 equal rows _____
- Numeral for two thousand and three _____
- 36, 45, 54, 63, _____
- $9 + 9 + 9 + \square = 4 \times 9$
- $\frac{1}{4}$ of 36 _____
- Colour $\frac{30}{100}$: 
- Complete:
 - 1 minute = _____ seconds
 - 1 hour = _____ minutes
 - 1 day = _____ hours
- Does a rectangle have four right angles? 15


7 + 5
Think!
I have 7 and need 3
to bridge to 10.
So $7 + 3 + 2 = 12$




C

- $23 + 8$ _____
- $35 + 6$ _____
- $34 - 19$ _____
- $45 - 19$ _____
- 7×9 _____
- 6×9 _____
- 63 into 9 equal columns _____
- 54 into 6 equal groups _____
- 2 047 in words _____
- 81, _____, 63, 54, 45
- Is $7 \times 9 = 9 \times 7$? _____
- $\frac{1}{5}$ of 45 = 9 so $\frac{4}{5}$ of 45 =
- 0.3 as a fraction _____
- Centimetres in 6 metres _____
- Circle the right angles:

A


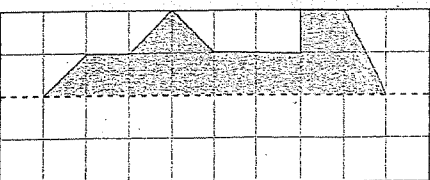
B


C


15

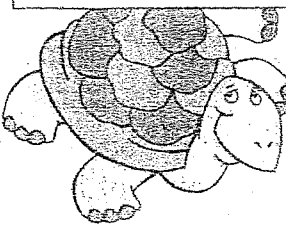
D

- $47 + 6$ _____
- $54 + 7$ _____
- $46 - 29$ _____
- $53 - 29$ _____
- 3×9 _____
- 9×9 _____
- $27 - 9 - 9 - 9$ _____
- $81 \div 9$ _____
- How many digits in 2 222? _____
- 90, _____, 72, 63, 54
- Is $5 \times 9 = 9 + 9 + 9 + 9 + 9$? _____
- $\frac{8}{10}$ of 90 _____
- Is $0.3 = \frac{3}{100}$? _____
- Area of a square with 5 cm sides _____
- Rule the shape made if you fold along the axis of symmetry.

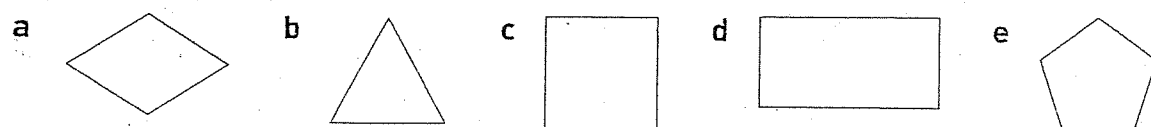


15

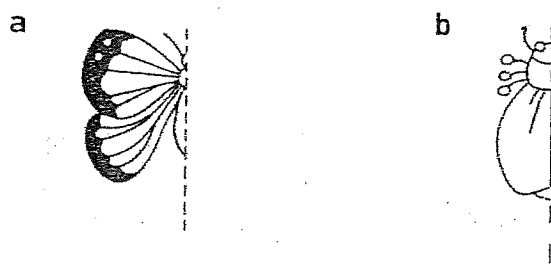
22 + 9
Think! I have 22 and
need 8 to bridge to 30.
So $22 + 8 + 1 = 31$



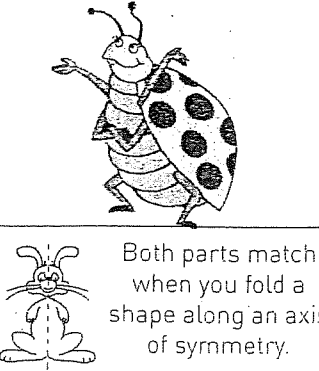
1 Draw in the axes of symmetry.



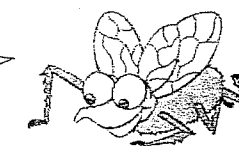
2 Complete around the axis of symmetry.



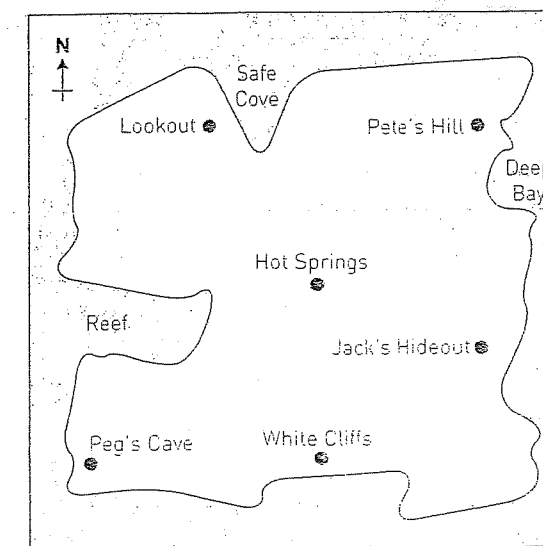
Both parts match
when you fold a
shape along an axis
of symmetry.



Maps help
us find our
way.



- Which landmark is:
 - north of Peg's cave? _____
 - south of Hot Springs? _____
 - east of Lookout? _____
- Use the directions to mark:
 - treasure north of Hot Springs and west of Deep Bay, with an X
 - a grave south of Jack's Hideout and east of White Cliffs, with a G

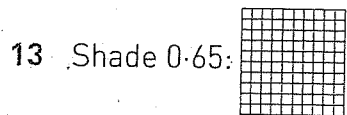


A

- $17 + 5$ _____
- $19 + 7$ _____
- $19 - 17$ _____
- $24 - 6$ _____
- 2×7 _____
- 6 rows of 7 _____
- Sixes in 42 _____
- $14 \div 7$ _____
- Is 1 442 closer to 1400 or 1 500? _____
- 7, _____, 21, 28, 35

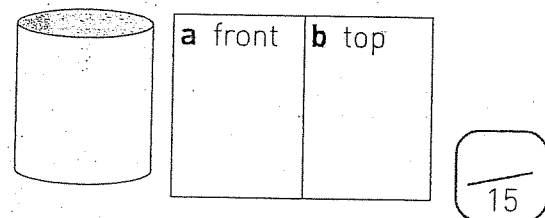
11 $7 + 7 + 7 + \square = 28$

12 $\frac{1}{2}$ of 14 _____



14 Which season is between spring and autumn? _____

15 Draw each view:



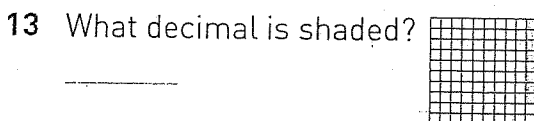
B

- $24 + 33$ _____
- $42 + 26$ _____
- $36 - 19$ _____
- $41 - 8$ _____
- 4 columns of 7 _____
- 9×7 _____
- $28 \div 7$ _____
- 63 shared equally among 7 _____
- Order from largest:
2 097, 2 079, 2 907 _____

10 56, 49, _____, 35, 28

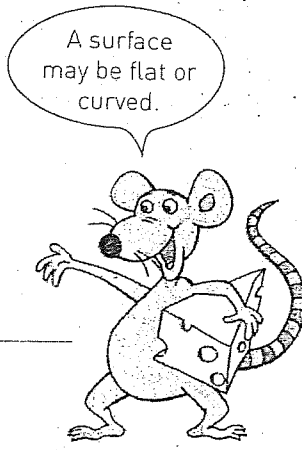
11 Is $7 + 7 + 7 + 7 = 4 \times 7$? _____

12 $\frac{1}{4}$ of 28 _____



14 Lou is 5 kg less than Don who has a mass of 34 kg. What is Lou's mass? _____

15 A cylinder has _____ surfaces and _____ edges. 15



C

- $36 + 18$ _____
- $47 + 19$ _____
- $33 - 17$ _____
- $45 - 29$ _____
- 5 multiplied by 7 _____
- 8×7 _____
- 35 shared equally by 5 _____
- $56 \div 7$ _____
- How many digits in 3 090? _____

10 42, _____, 28, 21, 14

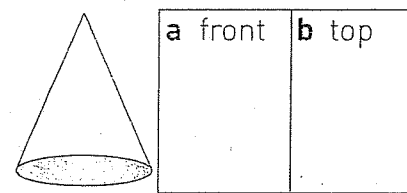
11 $7 + 7 + 7 + 7 + \square = 5 \times 7$

12 $\frac{3}{5}$ of 35 _____

13 Is $0.4 < 0.04$? _____

14 6 buckets of water are needed to fill a 30 L bath. How many litres in each bucket? _____

15 Draw each view:



D

- $39 + 38$ _____
- $42 + 39$ _____
- $45 - 26$ _____
- $56 - 19$ _____
- 10×7 _____
- 7 groups of 7 _____
- $49 \div 7$ _____
- Sevens in 70 _____
- Round off 457 to the nearest hundred _____

10 28, 35, 42, _____, 56

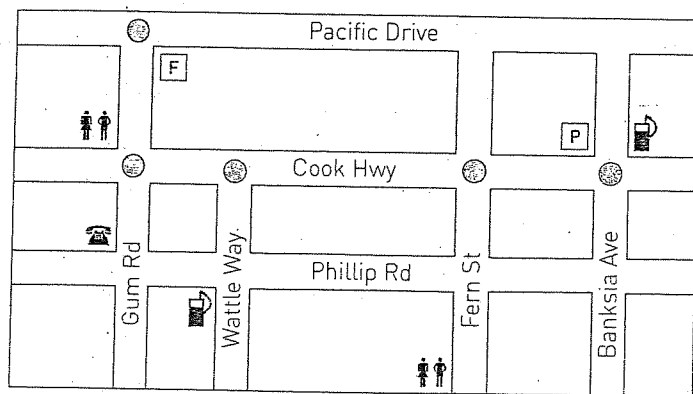
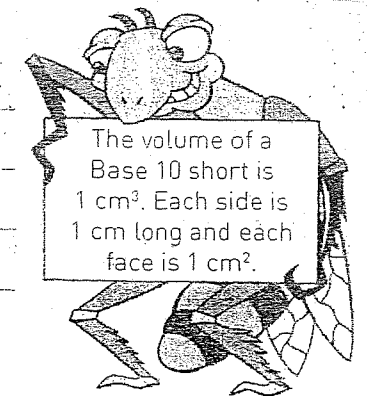
11 Is $6 \times 7 = 6 \times 6 + 6$? _____

12 $\frac{9}{10}$ of 70 _____

13 Which is greater, 0.02 or 0.2? _____

14 Could you pack Base 10 shorts into:
a an egg cup? _____
b a matchbox? _____
c a perfume bottle? _____

15 A cone has _____ surfaces and _____ edges. 15



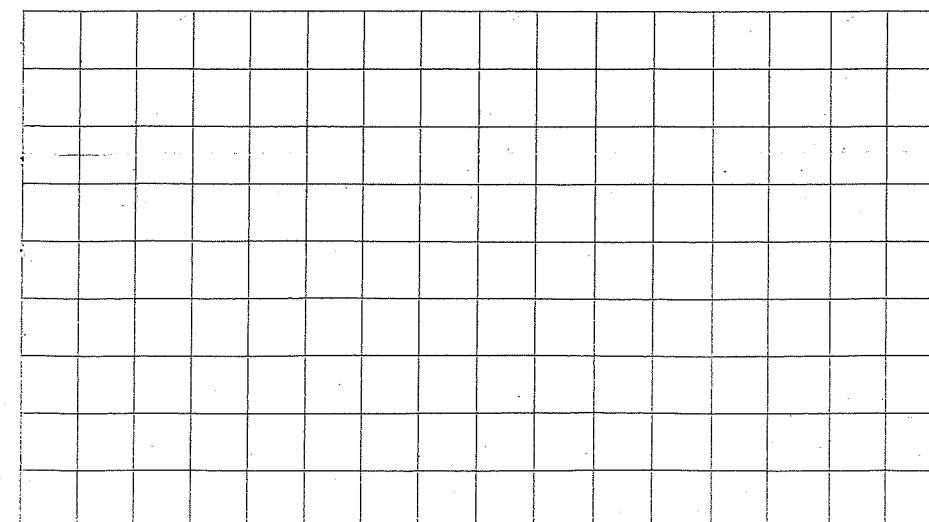
- Legend: traffic light telephone fire station
 parking petrol school

- Use the legend to find how many:
a schools? _____
b traffic lights? _____
- Is there a fire station on Gum Road? _____
- Is there a public telephone on Fern Street? _____
- Parking is located on the corner of _____ Avenue and _____ Hwy.
- Add parking opposite the fire station.



A legend helps us understand a map.

Rule three very different shapes, each with an area of 16 units, where 1 unit is .



The square centimetre is a measure of area.
The short form is cm².

