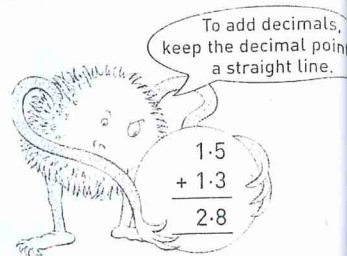


## A

- 1  $19 + 20$
- 2  $50 - 23$
- 3  $6 \times 8$
- 4  $56 \div 8$
- 5 Place value of 6 in 6 952
- 6 Largest numeral from 6, 4, and 8
- 7 Two more than 799
- 8 95, 85, 75, \_\_\_\_\_
- 9  $\$5.00 - \$2.45$
- 10  $\frac{25}{100}$  as a decimal
- 11  $\frac{1}{5}$  of 20
- 12 Is 7 a factor of 21 and 35?
- 13 Hindu-Arabic numeral for LXXVI
- 14  $7 \times \square = 35$
- 15 Metres in 300 cm
- 16 Millilitres in 5 L
- 17 Perimeter of a square with 3 cm sides
- 18 Kilograms in 4 000 g
- 19 Minutes in half an hour
- 20 Is a square a rectangle? 20

## B

- 1  $19 + 25$
- 2  $47 - 8$
- 3  $3 \times 40$
- 4  $63 \div 9$
- 5  $20\,000 + 6\,000 + 900 + 40 + 3$
- 6 Is  $25\,649 < 26\,694$ ?
- 7 Round off 27 368 to nearest thousand
- 8 2 365, 2 265, 2 165, \_\_\_\_\_
- 9  $1.6 + 2.3$
- 10  $\frac{65}{100}$  as a decimal
- 11  $\frac{1}{5}$  of 60
- 12 Is 36 a multiple of 9?
- 13 Hindu-Arabic numeral for CCLXIV
- 14  $49 \div \square = 7$
- 15 Millimetres in 8 cm
- 16 Litres in 5 000 mL
- 17 Perimeter of a rectangle 4 cm by 5 cm
- 18 Grams in 5 kg
- 19 Is 11:59 am before noon?
- 20 How many corners on a rectangular prism? 20

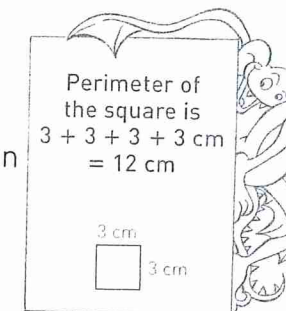


## C

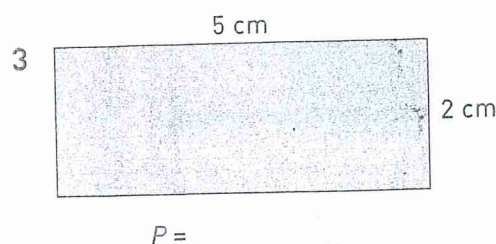
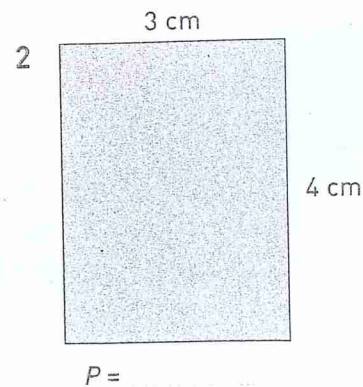
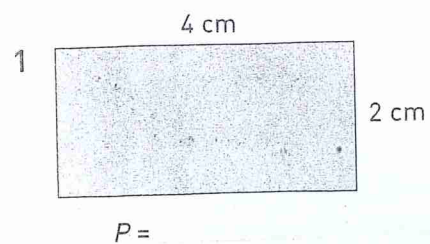
- 1  $18 + 35$
- 2  $56 - 7$
- 3  $3 \times 30$
- 4 How many sixes in 42?
- 5  $10\,000 + 5\,000 + 900 + 80 + 1$
- 6 Smallest numeral from 9, 3, 7, 1
- 7 Round off 13 649 to nearest thousand
- 8  $3 \times 6 - 2 \times 7$
- 9  $3.5 + 1.4$
- 10  $\frac{85}{100}$  as a decimal
- 11  $\frac{1}{4}$  of 80 marbles
- 12 Is 49 a multiple of 7?
- 13 Ordinal number for twenty-first
- 14  $35 + \square = 96$
- 15 Metres in 7 km
- 16 Litres in 9 000 mL
- 17 Perimeter of a square with 3 m sides
- 18 Kilograms in 7 000 g
- 19 Is 3:52 pm after noon?
- 20 How many faces on a pentagonal prism? 20

## D

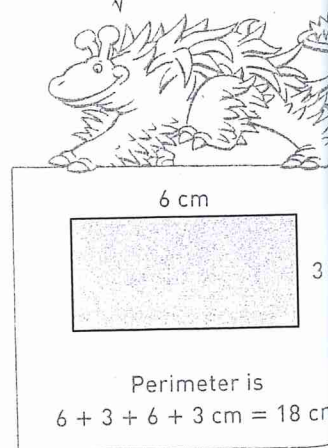
- 1 Sum of 45 and 56
- 2 Difference between 87 and 35
- 3 6 times 20
- 4 How many nines in 63?
- 5  $400\,000 + 20\,000 + 7\,000 + 600 + 90 + 1$
- 6 Order from largest 3859, 3589, 3958
- 7 Average of 14, 16 and 21
- 8 How many digits in 239 107?
- 9  $9.6 + 7.8$
- 10 0.64 as a percentage
- 11 50% of \$60
- 12 Is 24 a composite number?
- 13 Ordinal number for fortieth
- 14  $56 - \square = 17$
- 15 Kilometres in 5 000 m
- 16 Abbreviation for cubic centimetre
- 17 Area of a rectangle 4 cm by 5 cm
- 18 Kilograms in 9 000 g
- 19 27 to 5 afternoon as digital time
- 20 Is  $96^\circ$  an acute angle? 20



Find the perimeter of each shape.



The perimeter of a shape is the total length of its boundary.



Complete the geometric patterns and write a rule for each.

1

Number of triangles	1	2	3	4	5	6
Number of sides	3					

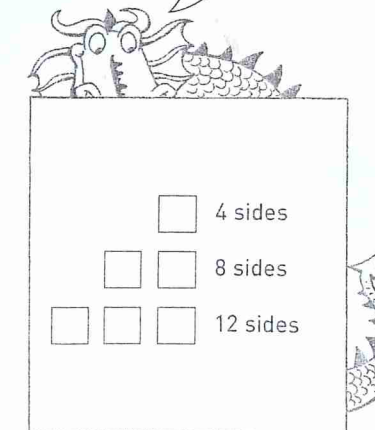
2

Number of hexagons	1	2	3	4	5	6
Number of sides	6					

3

Number of pentagons	1	2	3	4	5	6
Number of sides	5					

The pattern is 'multiply by 4'.



## A

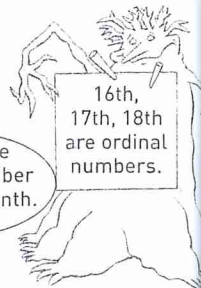
- $8 + 19$
- $31 - 8$
- $8 \times 8$
- $54 \div 9$
- $6000 + 900 + 20 + 3$
- Smallest numeral from 3, 9, 7
- Five more than 976
- How many digits in 6408?
- $\$5.00 - \$3.75$
- $\frac{75}{100}$  as a decimal
- $\frac{1}{3}$  of 15
- Is 7 a factor of 42?
- Hindu-Arabic numeral for XLVIII
- $9 \times \square = 45$
- Metres in 600 cm
- Litres in 5000 mL
- Perimeter of a square with 2 cm sides
- Kilograms in 3000 g
- Minutes in a quarter of an hour
- How many sides on a triangle? 20

## B

- $29 + 37$
- $56 - 7$
- $3 \times 20$
- $81 \div 9$
- Numeral for fifty-two thousand and seventy-one
- Largest numeral for 6, 4, 8, 0
- Thousands in 35289
- How many digits in 59207?
- $3.4 + 3.5$
- $\frac{95}{100}$  as a decimal
- 50% of 90
- Is 54 a multiple of 6?
- Ordinal number for thirty-seventh
- $\square - 42 = 36$
- Centimetres in 10 mm
- Millilitres in 4 L
- Perimeter of a rectangle 6 cm by 2 cm
- Grams in 8 kg
- 7:43 morning as digital time
- How many faces on a pentagonal pyramid? 20

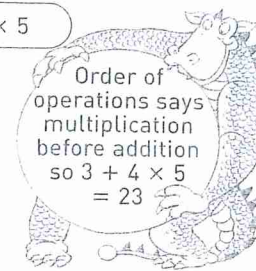
17th is the ordinal number for seventeenth.

16th, 17th, 18th are ordinal numbers.



$$3 + 4 \times 5$$

Order of operations says multiplication before addition so  $3 + 4 \times 5 = 23$



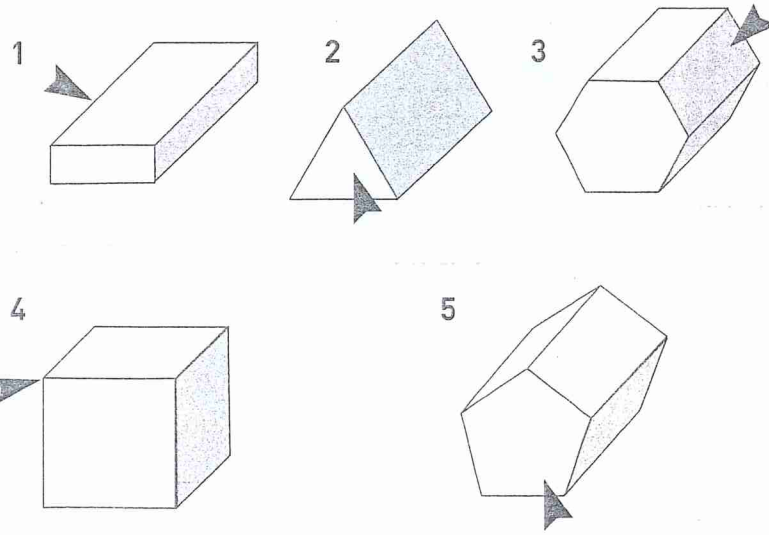
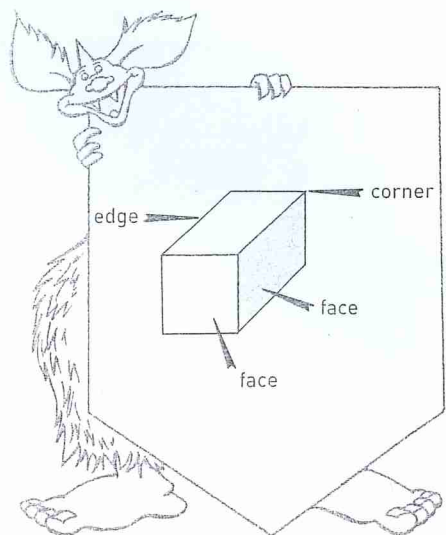
## C

- $45 + 37$
- $76 - 23$
- $10 \times 16$
- How many fours in 36?
- $9000 + 600 + 80 + 5$
- Is 35678 closer to 35000 or 36000?
- Number 1000 less than 28648
- $46 - 7 \times 5$
- Double  $\$4.95$
- 0.65 as a fraction
- $\frac{1}{5} \times 4$
- Is 72 the product of 9 and 7?
- Even number after 359
- $36 + \square = 73$
- Metres in 4 km
- Millilitres in  $2\frac{1}{2}$  L
- Area of rectangle 5 m by 4 m
- Grams in  $1\frac{1}{2}$  kg
- Is 11:36 am before noon?
- How many faces on a hexagonal prism? 20

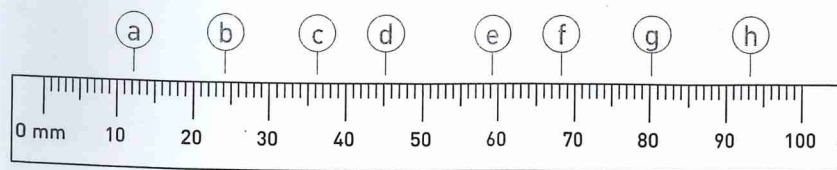
## D

- Sum of 38 and 47
- From 96 take 34
- 3 times 20
- How many sevens in 63?
- Numeral for sixty-two thousand and forty-one
- Smallest numeral from 7, 2, 6, 3, 0
- Average of 22, 31 and 34
- $6 \times 9 - 36 \div 4$
- Spent  $\$3.55$ , change from  $\$5$
- 0.85 as a percentage
- 25% of  $\$60$
- Are 11 and 21 both prime numbers?
- Ordinal number for thirty-eighth
- $\square \times 8 = 160$
- Metres in 9 km
- Millilitres in  $2\frac{1}{2}$  L
- Area of rectangle 3 m by 8 m
- Kilograms in 5000 g
- Is 4:36 pm in the morning?
- Is  $65^\circ$  an acute angle? 20

Name the parts shown as corner, face or edge.

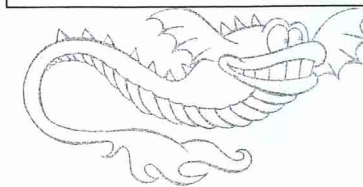
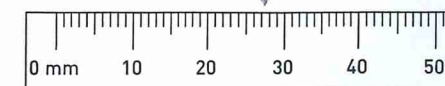


Record the length shown at each point.



We can write this as 27 mm or 2.7 cm.

- a \_\_\_\_\_  
 b \_\_\_\_\_  
 c \_\_\_\_\_  
 d \_\_\_\_\_  
 e \_\_\_\_\_  
 f \_\_\_\_\_  
 g \_\_\_\_\_  
 h \_\_\_\_\_



## A

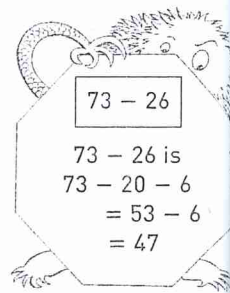
- $9 + 29$
- $41 - 9$
- $8 \times 9$
- $63 \div 9$
- $9000 + 600 + 80 + 5$
- Smallest numeral from 4, 0, 1
- Next number after 1094
- 763, 863, 963,
- $\$10.00 - \$2.25$
- $\frac{45}{100}$  as a decimal
- $\frac{1}{5}$  of 25
- Is 6 a composite number?
- Hindu-Arabic numeral for CXXVII
- $21 + \square = 35$
- Metres in 500 cm
- Litres in 6000 mL
- Perimeter of a rectangle 3 cm by 2 cm
- Grams in 8 kg
- Seconds in one minute
- How many faces on a cube?

$\frac{20}{20}$

## B

- $33 + 48$
- $84 - 29$
- $6 \times 20$
- How many eights in 72?
- Numeral for forty-one thousand and sixty-four
- Smallest numeral from 7, 2, 6, 3
- Ten thousands in 89472
- $4 + 8 \times 3$
- $5.9 + 6.4$
- 0.35 as a fraction
- 50% of 80
- Is 72 a multiple of 9?
- Ordinal numeral for twenty-second
- $\square - 36 = 43$
- Centimetres in 90 mm
- Millilitres in  $\frac{1}{2}$  L
- Area of a rectangle 5 cm by 2 cm
- Grams in  $\frac{1}{2}$  kg
- 26 past 10 afternoon as digital time
- How many faces on a sphere?

$\frac{20}{20}$



## C

- $29 + 57$
- $77 - 48$
- 5 times 30
- 56 divided by 8
- Numeral for sixty-two thousand and ten
- Is  $95351 > 95315$ ?
- Average of 10, 20 and 30
- 1057, 1007, 957,
- Total of  $\$4.50$  and  $\$3.75$
- 0.55 as a fraction
- $\frac{1}{5} \times 10$
- Is 35 divisible by 3?
- Roman numeral for 316
- $65 + \square = 92$
- Metres in 900 cm
- Millilitres in  $1\frac{3}{4}$  L
- Area of rectangle 6 m by 2 m
- Kilograms in 2 t
- Is 11:38 pm before noon?
- How many surfaces on a cylinder?

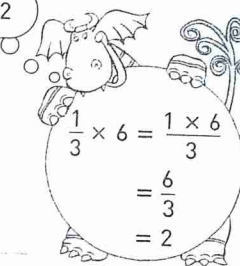
$\frac{20}{20}$

## D

- $45 + 37$
- From 91 take 37
- 10 times 12
- 81 divided by 9
- $40000 + 5000 + 600 + 70 + 2$
- Largest numeral from 2, 0, 6, 3
- Round off 65499 to nearest thousand
- $(7 + 20) - 35 \div 7$
- $9.5 - 3.2$
- 0.85 as a percentage
- 25% of  $\$48$
- Is 10 a factor of 120?
- Hindu-Arabic number for CCCLXXIV
- $80 \div \square = 20$
- Millimetres in 2.5 cm
- Millilitres in  $3\frac{1}{2}$  L
- Area of rectangle 7 cm by 6 cm
- Kilograms in 7000 g
- Is 1:01 am in the afternoon?
- Is  $105^\circ$  an obtuse angle?

$\frac{20}{20}$

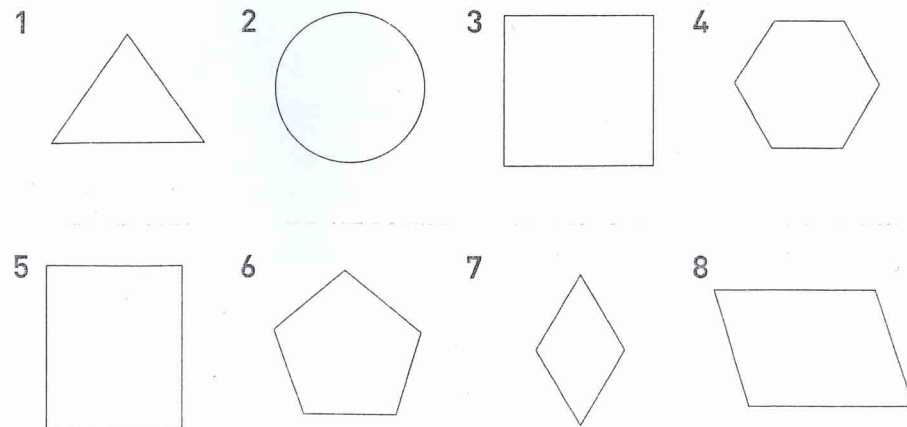
We can say  $\frac{1}{3}$  of 6 = 2



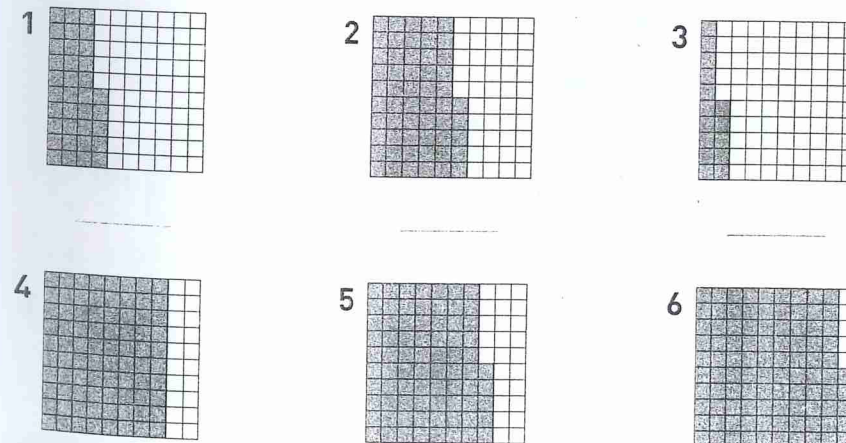
Name each plane shape.

Use these names:

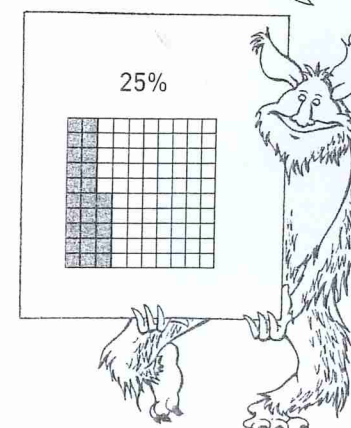
circle  
triangle  
square  
rectangle  
rhombus  
parallelogram  
pentagon  
hexagon



Write the percentage for the part coloured on each hundred squares.



25 out of 100 is the same as 25%.



## A

- $8 + 49$
- $32 - 8$
- $5 \times 9$
- $54 \div 6$
- $8000 + 400 + 90 + 6$
- Is 3875 closer to 3000 or 4000?
- Next number after 1094
- How many digits in 36208?
- $\$3.45 + \$4.35$
- Is  $\frac{3}{4}$  equal to  $\frac{6}{8}$ ?
- $\frac{1}{10}$  of 70
- Is 5 a factor of 45?
- Hindu-Arabic numeral for CCCXXI
- $\square \times 6 = 42$
- Metres in 700 cm
- Litres in 4000 mL
- Perimeter of a rectangle 4 cm by 3 cm
- Kilograms in 2000 g
- 19 past 6 morning as digital time
- Does a square have four right angles? 20

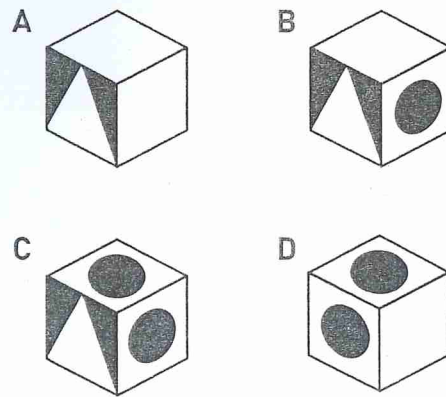
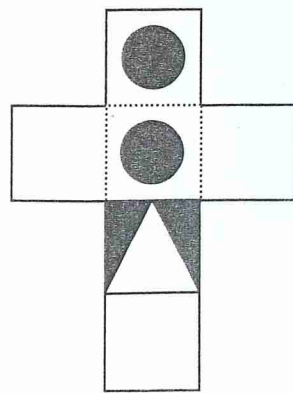
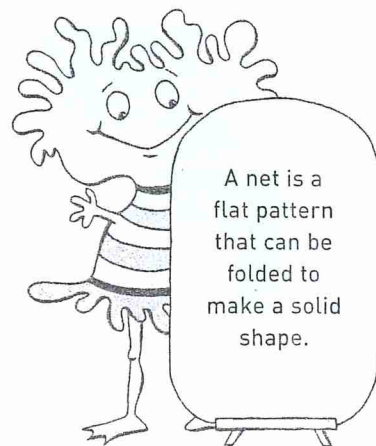
## B

- $55 + 37$
- $92 - 38$
- 7 times 20
- 64 divided by 8
- Place value of 4 in 42768
- Is  $27456 > 37456$ ?
- Ten thousands in 47208
- $9 + 6 \times 4$
- Change from \$5 if \$2.75 spent
- $\frac{15}{100}$  as a decimal
- 50% of 90
- Is 38 a multiple of 8?
- Ordinal number for twentieth
- $4 \times \square = 60$
- Centimetres in 50 mm
- Millilitres in  $1\frac{1}{4}$  L
- Perimeter of a rectangle 2 m by 6 m
- Grams in  $2\frac{1}{4}$  kg
- Minutes from 1:16 am to 1:57 am
- How many degrees in a right angle? 20



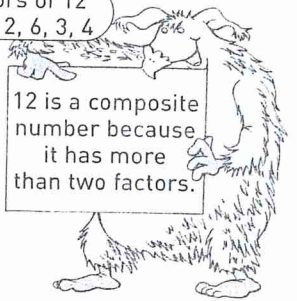
Here is the net of a cube.

Which cube below could be made from this net?



Factors of 12  
1, 12, 2, 6, 3, 4

12 is a composite number because it has more than two factors.



## C

- To 35 add 43
- $82 - 36$
- 5 times 40
- 63 divided by 9
- $70000 + 5000 + 300 + 60 + 8$
- Is 46487 closer to 46000 or 47000?
- Average of 14, 19 and 21
- How many digits in 20007?
- Total of \$3.25 and \$5.85
- 0.95 as a fraction
- $\frac{1}{3} \times 12$
- Is 45 a composite number?
- Hindu-Arabic numeral for CCXCIV
- $\square - 45 = 38$
- Metres in 700 cm
- Litres in 10000 mL
- Perimeter of rectangle 6 m by 3 m
- Kilograms in 5 t
- Is 6:28 am before noon?
- Do parallel lines meet at  $90^\circ$ ? 20

## D

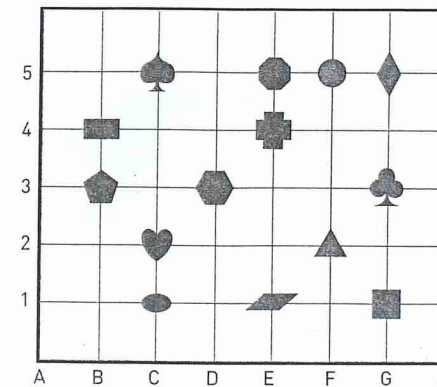
- 87 and 12 more
- From 64 take 27
- 10 multiplied by 40
- How many fives in 80?
- Place value of 8 in 86490
- Is  $37290 > 36290$ ?
- Number 1000 more than 59217
- $(19 + 20) - (16 + 20)$
- $\$20.00 - \$15.65$
- 55% as a decimal
- 20% of 100 blocks
- Is 65 divisible by 6?
- Roman numeral for 479
- $135 - \square = 68$
- Millimetres in 3.5 cm
- Millilitres in  $4\frac{1}{2}$  L
- Perimeter of square with 3.5 cm sides
- Grams in  $2\frac{1}{2}$  kg
- Minutes from 10:48 to 11:19
- Is  $150^\circ$  an obtuse angle? 20

1 What shape is located at:

- G5
- C5
- C2
- C1
- E1
- B3

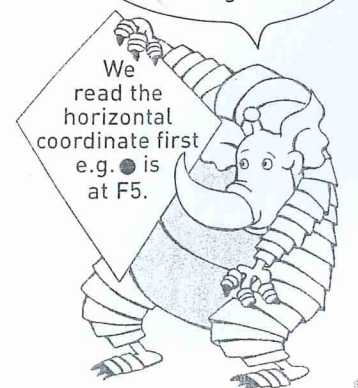
2 What are the coordinates of:

- 
- 
- 
- 
- 
- 



Coordinates tell us the position on a grid.

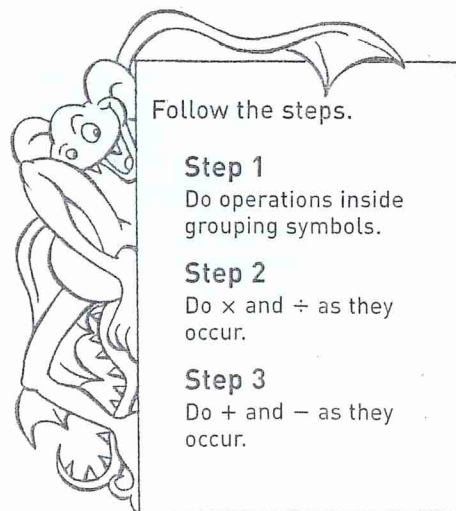
We read the horizontal coordinate first e.g. ● is at F5.



## A

- 1  $7 + 35$  \_\_\_\_\_
- 2  $51 - 6$  \_\_\_\_\_
- 3  $9 \times 8$  \_\_\_\_\_
- 4  $36 \div 9$  \_\_\_\_\_
- 5  $6000 + 500 + 20 + 9$  \_\_\_\_\_
- 6 Is 6494 closer to 6000 or 7000? \_\_\_\_\_
- 7 Next number after 3199 \_\_\_\_\_
- 8 How many digits in 34893? \_\_\_\_\_
- 9 Half of \$4.80 \_\_\_\_\_
- 10  $\frac{75}{100}$  as a decimal \_\_\_\_\_
- 11  $\frac{1}{5}$  of 30 \_\_\_\_\_
- 12 Is 6 a factor of 24? \_\_\_\_\_
- 13 Ordinal number for twenty-first \_\_\_\_\_
- 14  $7 \times \square = 49$
- 15 Millimetres in 5 cm \_\_\_\_\_
- 16 Litres in 9000 mL \_\_\_\_\_
- 17 Perimeter of a rectangle 5 cm by 3 cm \_\_\_\_\_
- 18 Kilograms in 6000 g \_\_\_\_\_
- 19 29 past 10 evening as digital time \_\_\_\_\_
- 20 Does a rectangle have four right angles? 20

Complete these number sentences.



Follow the steps.

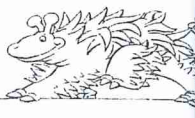
**Step 1**  
Do operations inside grouping symbols.

**Step 2**  
Do  $\times$  and  $\div$  as they occur.

**Step 3**  
Do  $+$  and  $-$  as they occur.

## B

- 1 36 plus 25 \_\_\_\_\_
- 2 From 42 take 9 \_\_\_\_\_
- 3 6 times 30 \_\_\_\_\_
- 4 How many sixes in 42? \_\_\_\_\_
- 5 Numeral for seventy-two thousand five hundred \_\_\_\_\_
- 6 Is  $67106 < 76106$ ? \_\_\_\_\_
- 7 Round off 45738 to nearest thousand \_\_\_\_\_
- 8  $20 - 3 \times 6$  \_\_\_\_\_
- 9 Change from \$5 if \$4.35 spent \_\_\_\_\_
- 10  $\frac{35}{100}$  as a decimal \_\_\_\_\_
- 11  $\frac{1}{4}$  of 28 \_\_\_\_\_
- 12 Is 45 divisible by 9? \_\_\_\_\_
- 13 Next even number after 34598 \_\_\_\_\_
- 14  $\square \div 8 = 7$
- 15 Metres in 6 km \_\_\_\_\_
- 16 Millilitres in  $\frac{3}{4}$  L \_\_\_\_\_
- 17 Area of a rectangle 5 m by 3 m \_\_\_\_\_
- 18 Grams in  $\frac{3}{4}$  kg \_\_\_\_\_
- 19 4:37 pm as analog time \_\_\_\_\_
- 20 How many degrees in a straight angle? 20



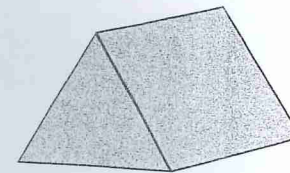
The numeral for one thousand five hundred and sixteen is 1516.

## C

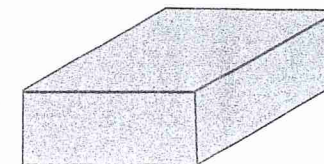
- 1 To 43 add 36 \_\_\_\_\_
- 2 From 35 take 24 \_\_\_\_\_
- 3 3 times 50 \_\_\_\_\_
- 4 64 divided by 8 \_\_\_\_\_
- 5 Place value of 7 in 37508 \_\_\_\_\_
- 6 Smallest numeral from 9, 0, 2, 6 \_\_\_\_\_
- 7 Round off 59501 to nearest thousand \_\_\_\_\_
- 8  $16 + 49 \div 7$  \_\_\_\_\_
- 9 Change from \$10 if \$7.90 spent \_\_\_\_\_
- 10 0.45 as a percentage \_\_\_\_\_
- 11  $\frac{1}{4}$  of 32 \_\_\_\_\_
- 12 Is 91 a composite number? \_\_\_\_\_
- 13 Ordinal number for thirty-ninth \_\_\_\_\_
- 14  $\square \times 6 = 30$
- 15 Millimetres in 1.5 cm \_\_\_\_\_
- 16 Millilitres in 12 L \_\_\_\_\_
- 17 Area of square with 4 cm sides \_\_\_\_\_
- 18 Kilograms in 4000 g \_\_\_\_\_
- 19 Hours from 8:45 pm to 11:45 pm? \_\_\_\_\_
- 20 Does a square have any parallel lines? 20

Name each prism.

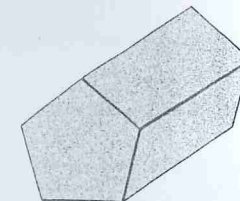
1



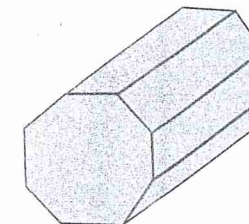
2



3



4



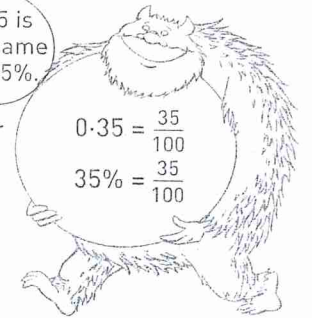
## D

- 1 49 and 57 more \_\_\_\_\_
- 2 From 86 take 55 \_\_\_\_\_
- 3 7 times 20 \_\_\_\_\_
- 4 How many fours in 56? \_\_\_\_\_
- 5 Place value of 6 in 164902 \_\_\_\_\_
- 6 Is  $78507 < 78705$ ? \_\_\_\_\_
- 7 Number 1000 more than 69301? \_\_\_\_\_
- 8 How many digits in 351694? \_\_\_\_\_
- 9  $7.4 + 9.8$  \_\_\_\_\_
- 10  $\frac{1}{10}$  as a decimal \_\_\_\_\_
- 11  $\frac{2}{3} \times 6$  \_\_\_\_\_
- 12 Is 69 a prime number? \_\_\_\_\_
- 13 Ordinal number for thirty-sixth \_\_\_\_\_
- 14  $\square \div 7 = 20$
- 15 Kilometres in 7000 m \_\_\_\_\_
- 16 Litres in 8000 mL \_\_\_\_\_
- 17 Perimeter of rectangle 3.5 cm by 8.5 cm \_\_\_\_\_
- 18 Kilograms in 6000 g \_\_\_\_\_
- 19 Two hours after 9:29 am \_\_\_\_\_
- 20 Is  $85^\circ$  an acute angle? 20

0.35 is the same as 35%.

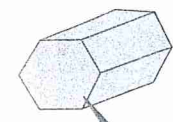
$$0.35 = \frac{35}{100}$$

$$35\% = \frac{35}{100}$$



Prisms are named according to their bases.

hexagonal prism



base is a hexagon

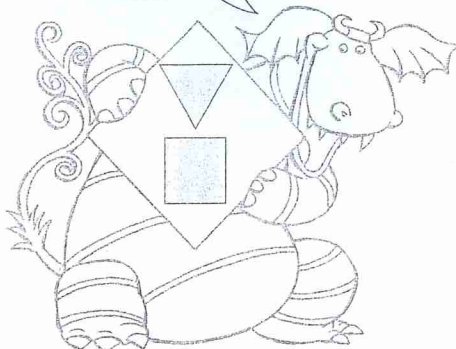
## A

- $16 + 43$
- $46 - 21$
- $7 \times 7$
- $40 \div 5$
- $9000 + 200 + 60 + 8$
- Is 3578 less than 3587?
- Last number before 4589
- 305, 255, 205,
- Half of \$6.80
- $\frac{65}{100}$  as a decimal
- $\frac{1}{3}$  of 21
- Is 7 a prime number?
- Are 36 and 58 both even numbers?
- $38 + \square = 43$
- Millimetres in 6 cm
- Litres in 10000 mL
- Area of rectangle 3 cm by 4 cm
- Grams in 5 kg
- 13 to 7 afternoon as digital time
- Is a square a plane shape?

$\frac{20}{20}$

Circle the regular shapes.

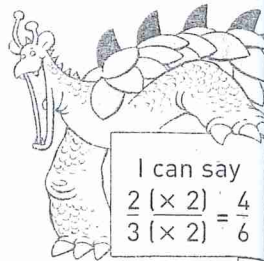
Regular shapes have all sides equal and all angles equal.



## B

- Sum of 35 and 9
- From 63 take 8
- 5 multiplied by 8
- How many sixes in 30?
- Place value of 7 in 27501
- Largest numeral from 2, 6, 0, 9
- Number after 16289
- How many digits in 95066?
- Double \$3.65
- $\frac{2}{3} = \frac{\square}{6}$
- $\frac{1}{6}$  of 30
- First 4 multiples of 3
- Next odd number after 2579
- $67 - \square = 25$
- Kilometres in 4000 m
- Is 250 mL the same as  $\frac{1}{4}$  L?
- Area of a rectangle 6 cm by 3 cm
- Is 500 g the same as  $\frac{1}{2}$  kg?
- 10:48 am as analog time
- Is  $78^\circ$  an acute angle?

$\frac{20}{20}$

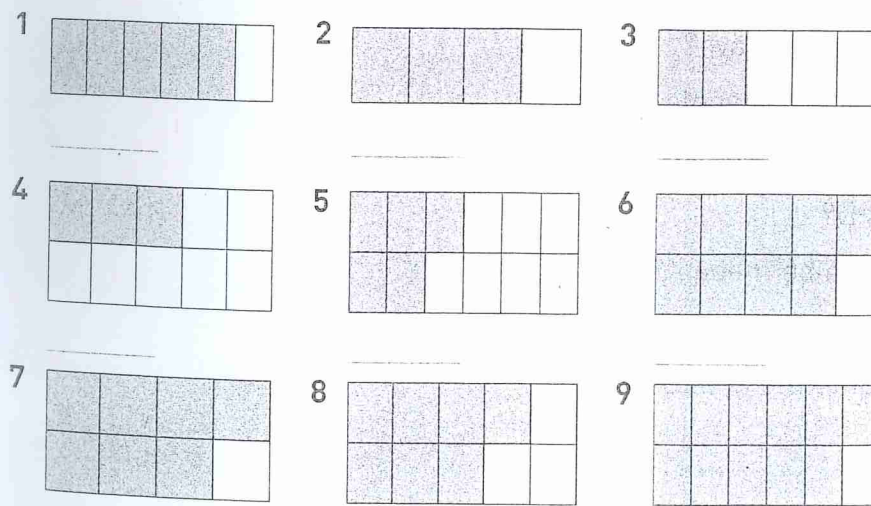


## C

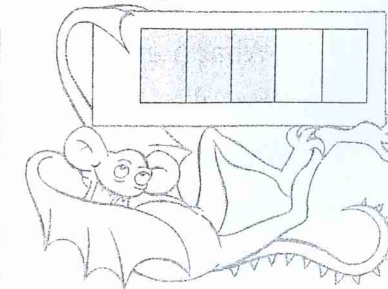
- Sum of 46 and 8
- From 72 take 7
- 6 multiplied by 8
- How many fours in 36?
- $5000 + 900 + 60 + 1$
- Smallest numeral from 7, 5, 2, 4
- Number 100 after 25203
- $25 + 35 \div 7$
- Halve \$6.90
- $\frac{6}{10} = \frac{\square}{5}$
- $\frac{1}{4}$  of 28
- First 4 multiples of 5
- Next even number after 5367
- $22 + \square = 45$
- Kilometres in 7000 m
- Is 500 mL the same as  $\frac{1}{2}$  L?
- Perimeter of rectangle 7 cm by 3 cm
- Is 250 g the same as  $\frac{1}{4}$  kg?
- 7:39 pm as analog time
- Is  $89^\circ$  less than a right angle?

$\frac{20}{20}$

Write the fraction for the part coloured in each shape.



$\frac{3}{5}$  shows 3 out of 5 equal parts.



## D

- $19 + 24 + 32$
- Subtract 45 from 169
- $13 \times 10$
- How many sixes in 78?
- $50000 + 8000 + 600 + 20 + 3$
- Is  $56301 < 56103$ ?
- Number 1000 after 56792
- How many digits in 5.7?
- $\$10.00 - \$7.65$
- $\frac{2}{10}$  as a decimal
- $\frac{3}{5} \times 15$
- Is 642 divisible by 2?
- Ordinal number for forty-sixth
- $\square \times 7 = 140$
- Millimetres in 6.5 cm
- Volume of a room is  $360 \text{ (cm}^3\text{/m}^3\text{)}$
- Area of rectangle 5 m by 8 m
- Kilograms 2 t
- Minutes from 7:14 pm to 9:37 pm
- Is  $110^\circ$  an obtuse angle?

$\frac{20}{20}$

