

## A

- 1 38 plus 24
- 2 56 minus 39
- 3 Double 16
- 4 Halve 34
- 5 Cents in \$8.68
- 6  $8\ 000 + 500 + 40 + 9$
- 7 0.72 as a percentage
- 8 Is  $14\ 589 > 14\ 859$ ?
- 9 Is  $\frac{1}{2}$  greater than  $\frac{2}{5}$ ?
- 10  $\frac{1}{3}$  of 18
- 11 Hindu-Arabic numeral for CCXXI
- 12 Is 7 a factor of 35?
- 13 7 squared
- 14  $24 + \square = 56$
- 15 Centimetres in 59 mm
- 16 Perimeter of rectangle 6 m by 7 m
- 17 Millilitres in 3.5 L
- 18 Grams in 4.5 kg
- 19 Days in 5 weeks
- 20 How many sides has a quadrilateral?

20

## B

- 1 39 plus 56
- 2 72 minus 39
- 3 10 times 16
- 4 54 divided by 9
- 5 Spent \$3.55, change from \$10
- 6 Tens in 36 754
- 7 3 units + 4 tenths + 9 hundredths as decimal
- 8 Round off 38 658 to nearest thousand
- 9 Is  $\frac{4}{10}$  equal to  $\frac{2}{3}$ ?
- 10  $\frac{3}{5}$  of 15
- 11 Roman numeral for 351
- 12 Is 139 divisible by 3?
- 13 Ordinal number for twenty-third
- 14  $7 \times \square = 63$
- 15 Kilometres in 8 500 m
- 16 Perimeter of a square with 12 cm sides
- 17 Litres in 4 580 mL
- 18 Kilograms in 3 590 g
- 19 Minutes from 9:29 to 11:16
- 20 An hexagonal prism has \_\_\_\_\_ faces.

20

Did you sail through the revisions?



## C

- 1 45 plus 62
- 2 81 minus 35
- 3 10 times 13
- 4 45 divided by 5
- 5 Cents in \$10.45
- 6  $60\ 000 + 7\ 000 + 400 + 30 + 9$
- 7 1 unit + 4 tenths + 7 hundredths as decimal
- 8 Is 54 689 closer to 54 000 or 55 000?
- 9 Is  $\frac{3}{4}$  equal to  $\frac{6}{8}$ ?
- 10  $\frac{4}{5}$  of 30
- 11 Roman numeral for 299
- 12 Are 4 and 5 both factors of 30?
- 13 Next odd number after 97
- 14  $5 \times 6 + 3 \times 6$
- 15 Centimetres in 87 mm
- 16 Area of a square with 9 cm sides
- 17 Millilitres in 5.6 L
- 18 Grams in 4.5 kg
- 19 Minutes from 11:34 to 12:06
- 20 How many sides has a parallelogram?

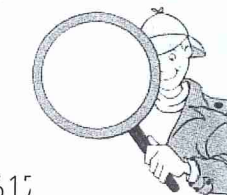
20

## D

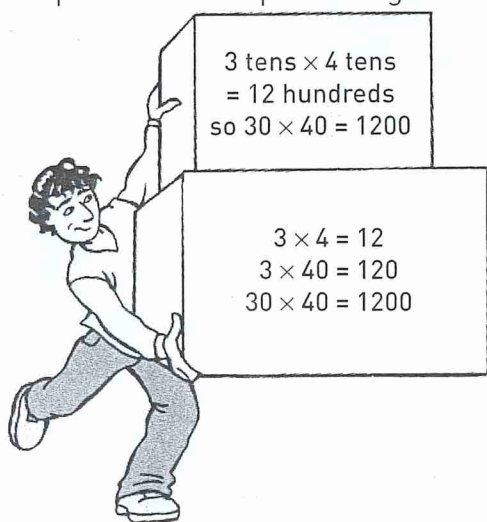
- 1 459 and 85 more
- 2 329 take away 78
- 3 65 times 10
- 4 690 divided by 10
- 5  $14.5 + 6.8$
- 6 Place value of 2 in 425 617
- 7 75% as a decimal
- 8 Is  $46\ 304 < 46\ 430$ ?
- 9 Is  $1\frac{1}{5}$  equal to  $\frac{6}{5}$ ?
- 10  $\frac{7}{8}$  of \$32
- 11 Number 500 after 3 875
- 12 All factors of 64
- 13 2 cubed
- 14  $4 + 6 \times 5 \div 10$
- 15 Metres in 3.5 km
- 16 Area of rectangle 5 cm by 9 cm
- 17 Litres in 6 500 mL
- 18 Kilograms in 8 500 g
- 19 9:53 am as analog time
- 20 A pentagonal prism has \_\_\_\_\_ faces.

20

3 tenths and 9 hundredths is 0.39



Complete the multiplication grids.



1

×	20	30	40	50	60	70
6						
9						
7						
8						

2

×	20	30	40	50	60	70
10						
20						
30						
40						

Complete the number patterns and write the rule for each.

- 1
 

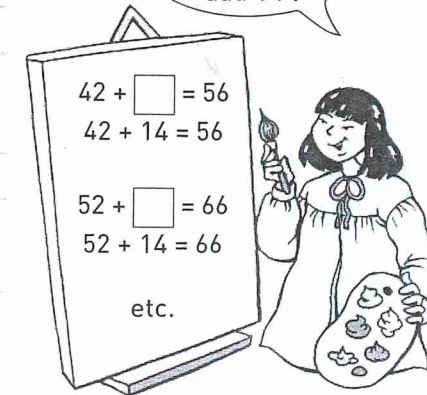
First number	42	52	62	72	82	92
Second number	56	66	76			
- 2
 

First number	37	47	57	67	77	87
Second number	74	94	114			
- 3
 

First number	78	68	58	48	38	28
Second number	53	43	33			
- 4
 

First number	1	2	3	4	5	6
Second number	1	4	9			

The rule in the first pattern is 'add 14'.

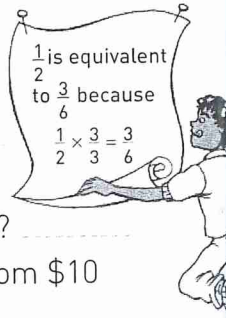


## A

- 39 plus 53
- 76 minus 48
- Double 27
- Halve 56
- 546 cents as dollars and cents
- $90\,000 + 4\,000 + 700 + 20 + 5$
- 0.76 as a fraction
- Round off 35 499 to nearest thousand
- Is  $\frac{1}{2}$  equal to  $\frac{5}{10}$ ?
- $\frac{1}{6}$  of 24
- Hindu-Arabic numeral for CCCXLIV
- Is 42 divisible by 6?
- Is 9 a square number?
- $38 + \square = 92$
- Centimetres in 3.69 m
- Area of square with 10 m sides
- Litres in 6 500 mL
- Kilograms in 3 500 g
- Months in 5 years
- How many faces on a rectangular prism? 20

## B

- 75 added to 68
- 38 less than 92
- 8 lots of 30
- How many eights in 56?
- Spent \$4.35, change from \$10
- Tens in 96 537
- 2 units + 8 tenths as decimal
- Is  $56\,835 < 56\,735$ ?
- $\frac{3}{4} = \frac{\square}{8}$
- $\frac{9}{10}$  of 30
- Number 500 after 35 894
- Average of 19, 24 and 23
- $12^2$
- $18 \div 3 + 6 \times 4$
- Kilometres in 8 500 m
- Perimeter of square with 25 m sides
- Litres in 7 500 mL
- Kilograms in 4 500 g
- Is 10:46 the same as 14 to 10?
- Direction between north and west 20

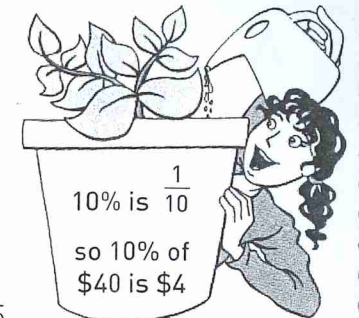


## C

- 52 and 29 more
- 25 less than 81
- 24 multiplied by 4
- How many fours in 36?
- Halve \$10.86
- Tens in 46 532
- 0.3 as a fraction
- Is  $68\,642 > 68\,542$ ?
- $\frac{5}{10} = \frac{\square}{2}$
- $\frac{4}{5}$  of 30
- Number 500 before 37 381
- Average of 21, 18 and 15
- $6^2$
- $3 \times 4 + 15 \div 3$
- Metres in 6.5 km
- Perimeter of square with 20 m sides
- Litres in 9 500 mL
- Grams in 3.5 kg
- 16 to 7 as digital time
- Direction opposite SE 20

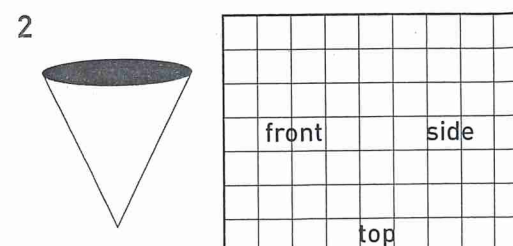
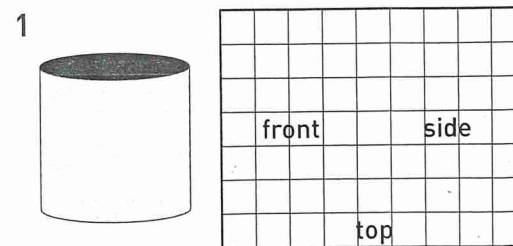
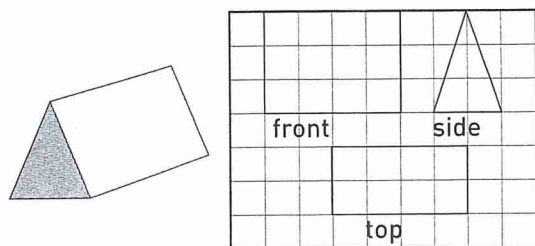
## D

- To 687 add 94
- From 721 take 97
- 35 times 10
- $670 \div 10$
- $\$3.40 + \$3.29 + \$2.35$
- Expanded notation for 86 391
- 0.73 as a percentage
- Is  $164\,584 > 165\,971$ ?
- $2\frac{5}{8}$  as improper fraction
- 10% of \$90
- Number is 1 000 after 25 962
- All factors of 56
- 3 cubed
- $(9 + 8) \times (7 - 5)$
- Kilometres in 4 500 m
- Perimeter of regular hexagon sides 5 cm
- Millilitres in 9.5 L
- Kilograms in 8 t
- 05:46 as digital time
- Is an obtuse angle less than  $90^\circ$ ? 20

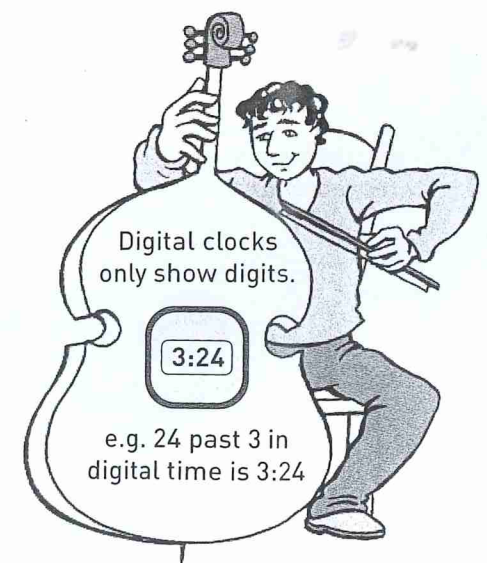
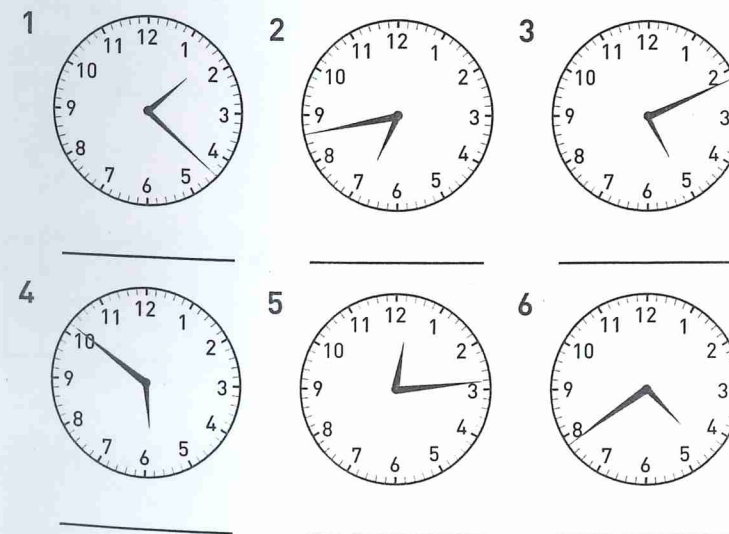


For each solid, draw the front, side and top view.

- For the front view, imagine that you are looking at it face on.
- For the top view, imagine that you are looking at it from the sky.
- For the side view, imagine that you are looking at it side on.



Write the digital time for each time shown.



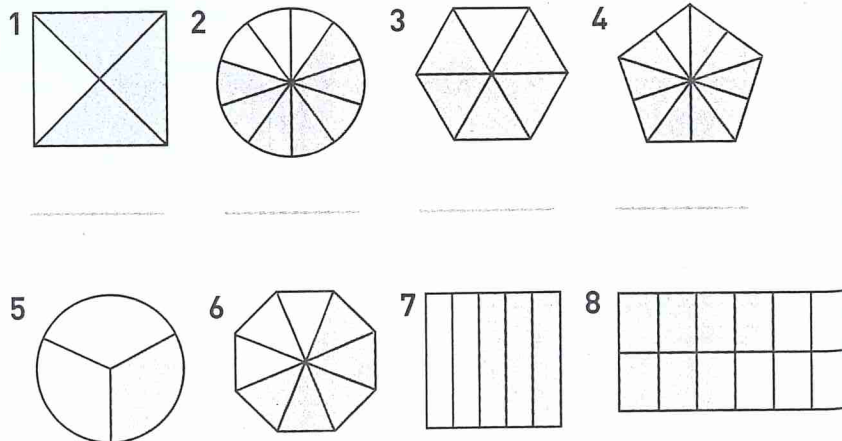
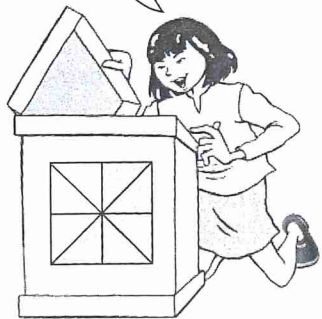
## A

- $12 + 13 + 18$
- $79 - 46$
- Double 28
- Half of 52
- How many 5 cent coins in \$1?
- $6\ 000 + 400 + 80 + 3$
- 65% as a decimal
- Is  $8\ 675 > 8\ 567$ ?
- Is  $1\frac{2}{3}$  less than  $1\frac{3}{4}$ ?
- $\frac{1}{10}$  of 80
- Number 100 after 5 891
- Is 7 a factor of 27?
- Next even number after 65
- $7 \times \square = 63$
- Centimetres in 4 m
- Perimeter of a square with 5 m sides
- Millilitres in 3.5 L
- Grams in 6.5 kg
- Days in a leap year
- How many degrees in a right angle?



What fraction of each shape is coloured?

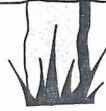
5 out of 8 equal parts coloured is  $\frac{5}{8}$ .



## B

- 67 plus 29
- 86 minus 47
- 67 times 5
- 72 divided by 9
- Spent \$6.85, change from \$10
- Thousands in 13 684
- 9 tenths as a decimal
- Is  $95\ 289 < 95\ 298$ ?
- Is  $1\frac{4}{5}$  less than  $1\frac{7}{10}$ ?
- Is  $\frac{2}{3}$  of 12 equal to 9?
- Number 500 after 34 765
- Is 9 a factor of 63?
- $9^2$
- $6 + (3 \times 8) - 14$
- Kilometres in 5 500 m
- Area of rectangle 7 cm by 5 cm
- Litres in 10 500 mL
- Kilograms in 6 500 g
- Minutes from 5:07 to 5:59
- Direction opposite SW

$$\begin{aligned} 68 + 23 &= 60 + 20 + 8 + 3 \\ &= 80 + 11 \\ &= 91 \end{aligned}$$

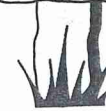


## C

- 49 added to 38
- From 92 take 68
- 34 times 6
- How many sevens in 63?
- $9.6 - 6.7$
- $60\ 000 + 7\ 000 + 400 + 30 + 2$
- 5 tenths as a decimal
- Round off 56 357 to nearest hundred
- $1\frac{3}{4}$  as an improper fraction
- Is  $\frac{2}{3}$  of 15 equal to 10?
- Number 1 000 after 63 872
- Average of 25, 17, 31 and 19
- $8^2$
- $5 \times 8 - 3 \times 7$
- Kilometres in 7 500 m
- Area of rectangle 5 cm by 4 cm
- Litres in 7 500 mL
- Grams in 8.5 kg
- Minutes from 6:21am to 7:03 am
- Are opposite sides of a parallelogram equal?



$1\frac{3}{5}$  can be written as the improper fraction  $\frac{8}{5}$ .



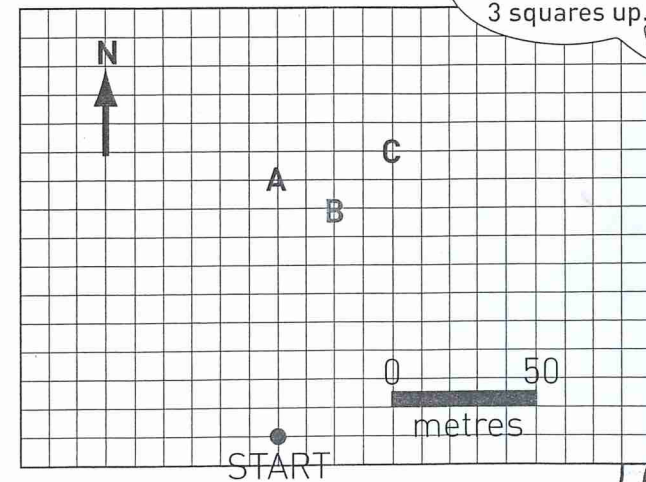
## D

- 249 and 34 more
- From 749 take 68
- 147 times 10
- 790 divided by 10
- $\$2.53 + \$1.60 + \$3.78$
- How many thousands in 469 301?
- 0.73 as a fraction
- Is  $456\ 920 > 456\ 819$ ?
- $2\frac{2}{3}$  as improper fraction
- 20% of \$80
- Roman numeral for 589
- Average of 45, 67, 39 and 57
- Square root of 36
- $21 + 5 \times 7 - 39$
- Kilometres in 9 500 m
- Perimeter of pentagon with 4 cm sides
- Millilitres in 8.5 L
- Kilograms in 9 t
- 1:24 pm as 24-hour time
- Is a straight angle  $180^\circ$ ?

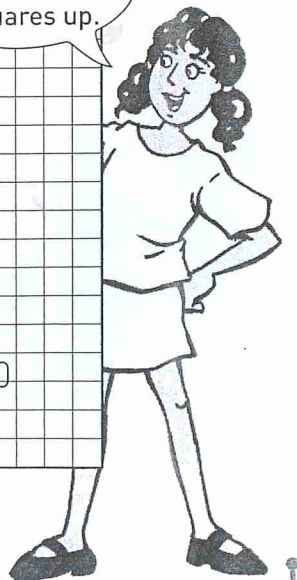


Plot this course on the grid.

- Move:
- 30 m north
  - 110 m east
  - 90 m north
  - 40 m west
  - 60 m south
  - 120 m west
  - 50 m north
  - 70 m east
  - 30 m south
- At which point did you arrive?



To move 30 m north we move 3 squares up.



## A

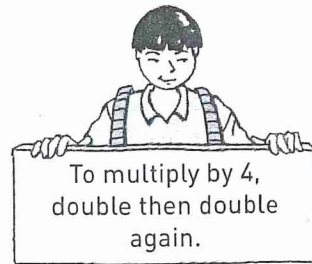
- 1  $46 + 29$
- 2  $78 - 49$
- 3  $6 + 6 + 6 + 6$
- 4 Divide 35 by 7
- 5 Cents in \$9.45
- 6 Tens in 5 692
- 7  $\frac{65}{100}$  as a decimal
- 8 Is  $4\ 675 > 4\ 575$ ?
- 9 Is  $1\frac{4}{5}$  an improper fraction?
- 10  $\frac{1}{8}$  of 32
- 11 Hindu-Arabic numeral for CCCXLII
- 12 Is 3 a factor of 19?
- 13 Last odd number before 200
- 14 156, 166, 176,
- 15 Metres in 750 cm
- 16 Perimeter of a square with 4 m sides
- 17 Litres in 8 500 mL
- 18 Kilograms in 3 500 g
- 19 Minutes in 3 hours
- 20 Degrees in two right angles

$\frac{20}{20}$

## B

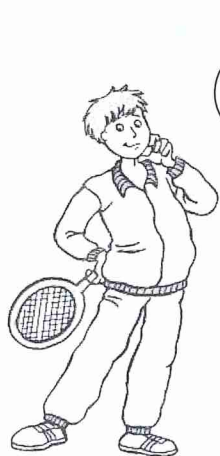
- 1  $163 + 25$
- 2  $194 - 63$
- 3  $34 \times 4$
- 4  $305 \div 5$
- 5 Cost of 6 at \$1.20 each
- 6  $60\ 000 + 3\ 000 + 900 + 30 + 7$
- 7 Decimal for one point seven six
- 8 Is  $87\ 256 > 87\ 526$ ?
- 9 Mixed number for  $\frac{5}{4}$
- 10  $\frac{3}{5}$  of \$15
- 11 Number 500 after 45 389
- 12 Is 6 a factor of 24?
- 13  $5^2 + 4$
- 14  $7 \times 3 + 10 \div 2$
- 15 Centimetres in 6.35 m
- 16 Perimeter of rectangle 6 cm by 5 cm
- 17 Litres in 7 500 mL
- 18 Kilograms in 4 375 g
- 19 Seconds in  $2\frac{1}{2}$  minutes
- 20 Is  $75^\circ$  an acute angle?

$\frac{20}{20}$

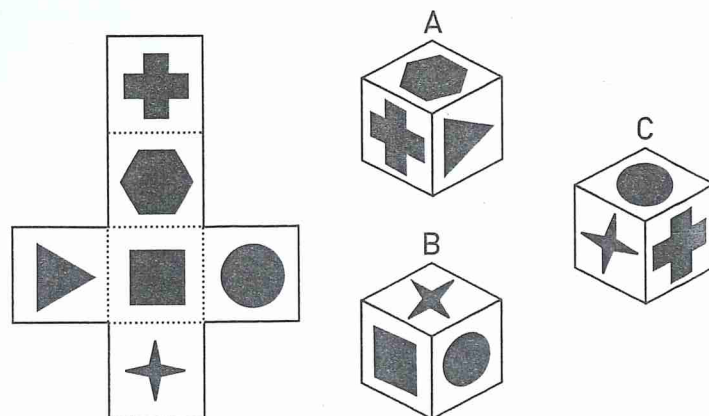


Here is the net of a cube.

Which cube below could not be made from this net?



A net is a flat pattern that can be folded to make a solid shape.



## C

- 1  $145 + 34$
- 2  $187 - 26$
- 3  $102 \times 4$
- 4  $369 \div 3$
- 5  $\$3.60 + \$1.30$
- 6 Thousands in 54 987
- 7 Decimal for 5 units + 9 tenths + 4 hundredths
- 8 Is  $78\ 563 > 78\ 562$ ?
- 9 0.6 as a fraction
- 10  $\frac{2}{3}$  of 18 candles
- 11 Number before 269 361
- 12 Is 8 a factor of 32?
- 13  $5^2 - 4$
- 14  $6 \times (4 + 16)$
- 15 Metres in 956 cm
- 16 Area of square with 7 cm sides
- 17 Millilitres in 4.5 L
- 18 Grams in 3.125 kg
- 19 Minutes in  $3\frac{1}{4}$  hours
- 20 Degrees in a straight angle

$\frac{20}{20}$

We can add fractions with the same denominator.

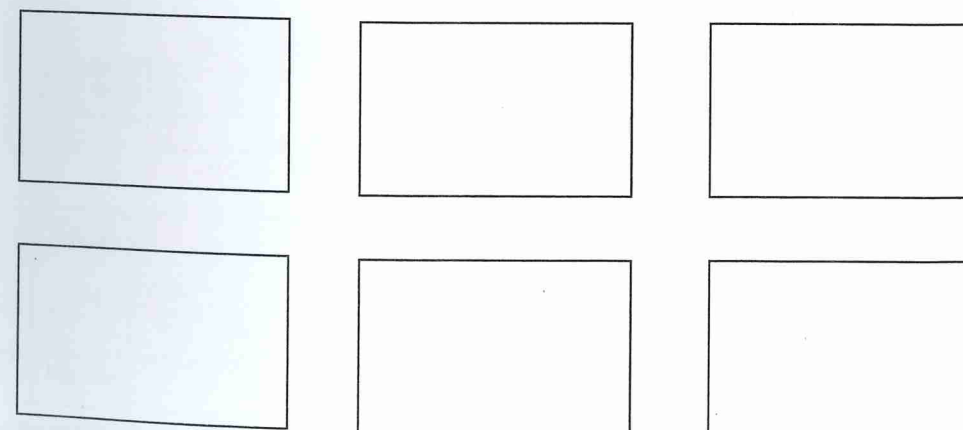


## D

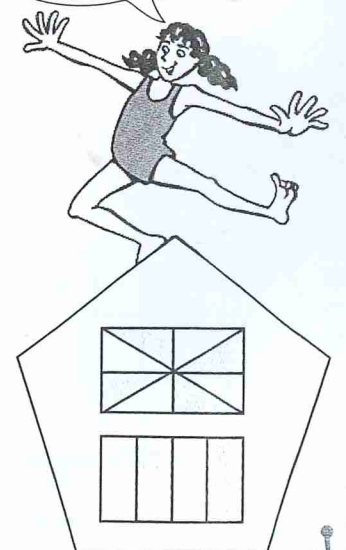
- 1 567 and 49 more
- 2 683 minus 39
- 3  $872 \times 10$
- 4 670 divided by 10
- 5  $\$1.97 + \$1.59 + \$3.68$
- 6  $400\ 000 + 70\ 000 + 6\ 000 + 500 + 20 + 8$
- 7  $\frac{9}{10}$  as a percentage
- 8 Is  $4\ 654\ 857 > 4\ 652\ 875$ ?
- 9  $2\frac{5}{6}$  as improper fraction
- 10  $\frac{3}{8} + \frac{2}{8}$
- 11 Roman numeral for 647
- 12 Average of 65, 49, 76 and 90
- 13 Square root of 25
- 14  $8 \times 4 - 3 \times 5$
- 15 Metres in 4.5 km
- 16 Perimeter of triangle with 7 cm sides
- 17 Litres in 6 500 mL
- 18 Kilograms in 12 t
- 19 7:59 am as 24-hour time
- 20 How many edges on a square prism?

$\frac{20}{20}$

In different ways, colour half the area of each rectangle.



Here are two different ways.

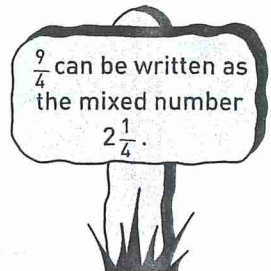
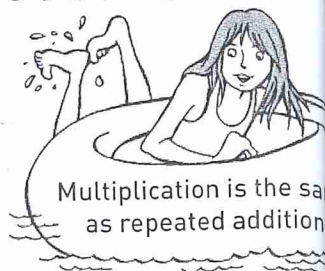


## A

- 1  $15 + 14 + 25$
- 2  $67 - 32$
- 3  $5 + 5 + 5 + 5 + 5$
- 4 Half of \$5
- 5 50c coins in \$3
- 6  $7\ 000 + 900 + 60 + 5$
- 7 0.5 as a percentage
- 8 Is  $4\ 629 < 6\ 429$ ?
- 9 Quarters in  $2\frac{3}{4}$
- 10  $\frac{2}{3}$  of 12
- 11 Number 100 after 35 801
- 12 Are 3 and 5 factors of 15?
- 13 2 squared
- 14  $36 \div 6 + 3$
- 15 Centimetres in  $7\frac{1}{2}$  m
- 16 Perimeter of a rectangle 3 cm by 7 cm
- 17 Millilitres in  $\frac{1}{4}$  L
- 18 Grams in  $\frac{1}{4}$  kg
- 19 Days in December
- 20 Is  $69^\circ$  less than a right angle?

## B

- 1 92 plus 46
- 2 74 minus 39
- 3  $35 \times 6$
- 4  $147 \div 7$
- 5  $\$1.65 + \$3.70 + \$2.45$
- 6 Place value of 4 in 34 600
- 7 Decimal for 5 units + 7 tenths + 9 hundredths
- 8 Is  $67\ 954 > 76\ 945$ ?
- 9  $2\frac{3}{5}$  as an improper fraction
- 10  $\frac{5}{10} + \frac{1}{10}$
- 11 Roman numeral for 500
- 12 List all the factors of 60
- 13  $4^2 + 3$
- 14  $9 + 4 \times 6 - 8$
- 15 Metres in  $1\frac{1}{4}$  km
- 16 Area of a square with 6 cm sides
- 17 Litres in 1 255 mL
- 18 Kilograms in 1 750 g
- 19 Time 15 minutes after 6:42
- 20 Is  $107^\circ$  an acute angle?



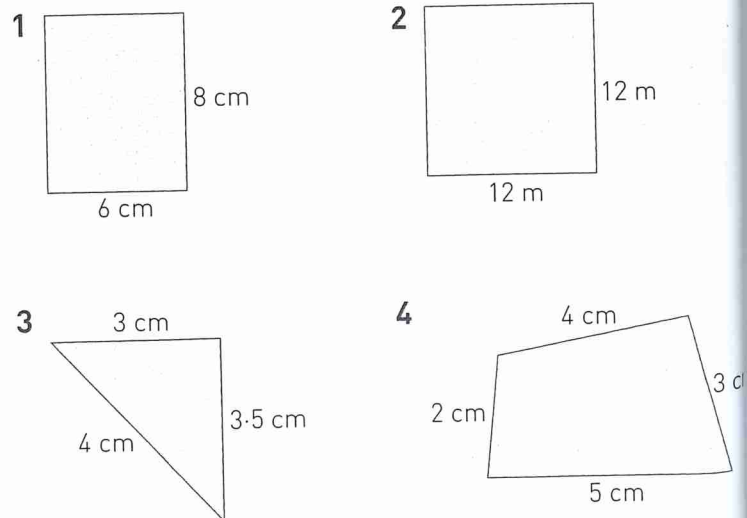
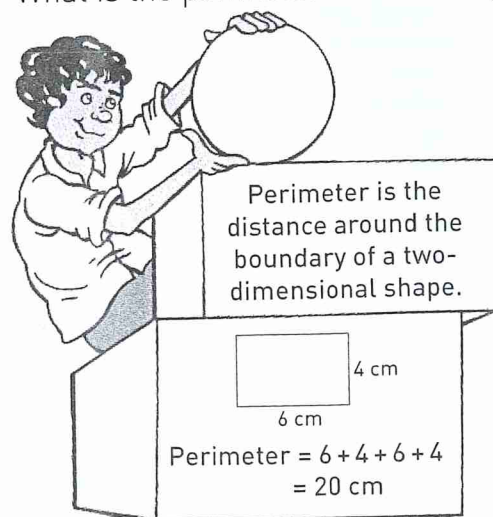
## C

- 1  $234 + 65$
- 2  $196 - 47$
- 3  $316 \times 10$
- 4 609 divided by 3
- 5  $\$10.00 - \$6.35$
- 6  $50\ 000 + 4\ 000 + 600 + 80 + 2$
- 7 Decimal for 6 units + 6 tenths + 9 hundredths
- 8 Is  $95\ 201 < 95\ 120$ ?
- 9  $\frac{14}{3}$  as a mixed number
- 10 25% of 80
- 11 Number 500 before 29 387
- 12 First three multiples of 8
- 13  $7^2 - 4$
- 14  $64 \div 8 \times 3$
- 15 Metres in  $1\frac{3}{4}$  km
- 16 Area of a rectangle 5 m by 9 m
- 17 Litres in 1 750 mL
- 18 Kilograms in 2 250 g
- 19 Minutes from 12 to 7 until 23 past 7
- 20 Is  $145^\circ$  an obtuse angle?

## D

- 1 Sum of 627 and 94
- 2 Difference between 943 and 76
- 3  $72 \times 100$
- 4  $679 \div 10$
- 5  $6 \cdot 8 + 3 \cdot 5 + 7 \cdot 4$
- 6 Place value of 7 in 174 569
- 7  $\frac{7}{10}$  as a percentage
- 8 Round off 1 654 376 to nearest thousand
- 9  $\frac{17}{4}$  as a mixed number
- 10  $\frac{5}{8} - \frac{3}{8}$
- 11 Number 2 000 after 658 726
- 12 Are 3, 4, 6 and 7 all factors of 42?
- 13 Square root of 49
- 14 240, 280, 320,
- 15 Metres in 9.5 km
- 16 Name for perimeter of a circle
- 17 Millilitres in 8.5 L
- 18 Tonnes in 7 000 kg
- 19 19:21 as 12-hour digital time
- 20 Are opposite sides of a rectangle parallel?

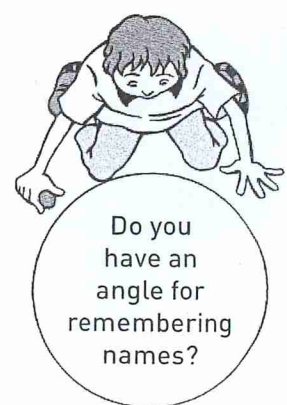
What is the perimeter of each shape?



Use the labels and angle measurements to complete the table.

Labels: straight, revolution, acute, reflex, obtuse, 360°, 120°, 300°, 50°, 180°

Angle	1	2	3	4	5
Name					
Size					



## A

- $21 + 32 + 27$
- $96 - 67$
- $8 + 8 + 8 + 8$
- How many threes in 24?
- 20c coins in \$4
- Place value of 5 in 3 562
- 60% as a decimal
- Round off 4 763 to nearest hundred
- Tenths in  $2\frac{3}{10}$
- $\frac{3}{10}$  of 40
- Number after 13 469
- Is 4 a factor of 26?
- Next odd number after 1 797
- $35 + \square = 97$
- Centimetres in  $9\frac{1}{2}$  m
- Perimeter of a square with 9 m sides
- Litres in 4 500 mL
- Grams in 3.5 kg
- Days in June and July
- Is  $106^\circ$  less than a right angle? 20

## B

- $35 + 16 + 43$
- $164 - 58$
- $463 \times 10$
- How many sixes in 126?
- Cost of five at \$3.25 each
- $60\ 000 + 8\ 000 + 300 + 90 + 1$
- 0.4 as a percentage
- Is 87 569 closer to 87 000 or 88 000?
- $3\frac{1}{3}$  as improper fraction
- 10% of 60
- 1 000 after 46 351
- Is 39 a multiple of 6?
- $8^2 + 6$
- $7 + (3 \times 4) - 6$
- Metres in  $\frac{1}{4}$  km
- Area of a square with 12 cm sides
- Millilitres in 4.725 L
- Grams in 3.625 kg
- Minutes from 8:53 am to 9:46 am
- How many faces on a hexagonal prism? 20

$$\begin{aligned} 92 - 35 &= 92 - 30 - 5 \\ &= 62 - 5 \\ &= 57 \end{aligned}$$

You should learn these facts.

$$\begin{aligned} \frac{1}{4} &= 0.25 \\ \frac{1}{2} &= 0.50 \\ \frac{3}{4} &= 0.75 \end{aligned}$$

## C

- $167 + 39$
- $326 - 43$
- $126 \times 10$
- $340 \div 10$
- Change from \$5 if \$3.45 is spent
- Hundreds in 35 465
- $\frac{3}{10}$  as a decimal
- Is  $69\ 521 > 69\ 621$ ?
- $\frac{16}{5}$  as a mixed number
- 10% of \$120
- 2 000 before 35 968
- Average of 21, 32 and 25
- $3^2 + 3$
- $5 \times 3 + 6 \times 3$
- Metres in  $\frac{3}{4}$  km
- Area of a rectangle 6 cm by 2 cm
- Litres in 3 950 mL
- Kilograms in 7 355 g
- 16 minutes after 9:53 am
- Is  $180^\circ$  a straight angle? 20

## D

- Sum of 34, 48 and 67
- Difference between 523 and 98
- $30 \times 40$
- $358 \div 10$
- Cost of one if 6 cost \$8.70
- Numeral for sixty-four thousand and seventy
- 4 tenths 9 hundredths as a decimal
- Round off 3 861 459 to nearest million
- Is  $\frac{10}{12}$  the same as  $\frac{5}{6}$ ?
- $\frac{9}{10} - \frac{5}{10}$
- Is -7 a negative number?
- First 4 multiples of 8
- Square root of 36
- 360, 450, 540,
- Centimetres in 3.75 m
- Perimeter of a square with 30 m sides
- Litres in 4 250 mL
- Tonnes in 4 750 kg
- 06:43 as analog time
- How many edges on a triangular prism? 20

In each row, circle the factors of the given products.

	Possible factors									Product
1	6	7	4	8	3	15	9	16	2	36
2	8	5	4	3	7	15	12	9	17	45
3	3	2	9	6	5	8	18	4	17	64
4	5	4	7	16	2	9	15	13	12	92
5	6	5	9	4	2	17	3	16	15	105
6	8	2	6	3	5	4	12	10	21	124
7	9	3	5	2	10	6	15	13	16	156

A product is the answer when numbers are multiplied.

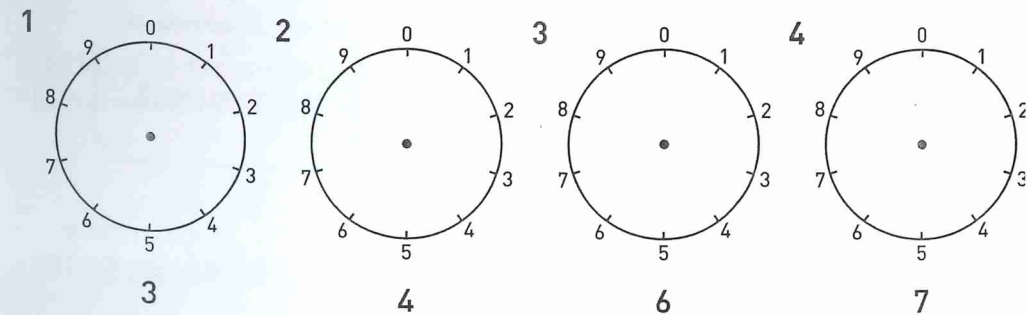
A factor is a whole number that can be divided exactly into another number.

Some of the multiples of 8 are 8, 16, 24, 32, 40, 48.

The unit digits are 8, 6, 4, 2, 0.

When joined in order, these make a unit digit pattern.

Draw the unit digit patterns for the multiples of 3, 4, 6 and 7.



The unit digit in 32 is 2.

