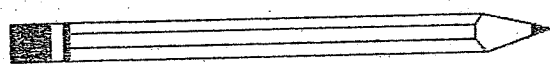
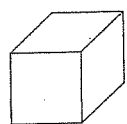


- A**
- $7 + 3$  \_\_\_\_\_
  - $6 + 4$  \_\_\_\_\_
  - $20 - 5$  \_\_\_\_\_
  - $19 - 8$  \_\_\_\_\_
  - $2 \times 2$  \_\_\_\_\_
  - $2 \times 4$  \_\_\_\_\_
  - Share 8 equally among 2 \_\_\_\_\_
  - $8 \div 4$  \_\_\_\_\_
  - Is 15 smaller than 51? \_\_\_\_\_
  - 45, 50, 55, \_\_\_\_\_, 65, 70
  - 82, 80, \_\_\_\_\_, 76, 74
  - Colour half: ☺☺☺☺☺☺☺☺
  - Share \$20 equally among 5 \_\_\_\_\_
  - Measure in centimetres:

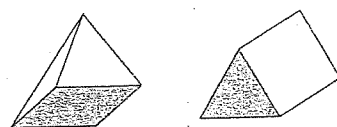


15 A cube has:

- \_\_\_\_\_ faces
- \_\_\_\_\_ edges
- \_\_\_\_\_ corners

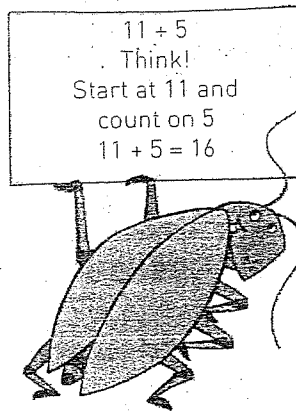


      
15

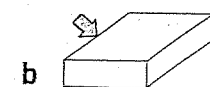


      
15

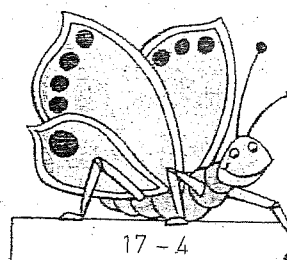
- B**
- $15 + 7$  \_\_\_\_\_
  - $19 + 6$  \_\_\_\_\_
  - $26 - 9$  \_\_\_\_\_
  - $24 - 13$  \_\_\_\_\_
  - $2 \times 6$  \_\_\_\_\_
  - $6 \times 2$  \_\_\_\_\_
  - $12 \div 2$  \_\_\_\_\_
  - 12 shared equally by 6 \_\_\_\_\_
  - Tens in 45 \_\_\_\_\_
  - 3, 6, 9, \_\_\_\_\_, 15, 18
  - 49, \_\_\_\_\_, 29, 19, 9
  - One half of 12 \_\_\_\_\_
  - How many 20c coins in \$2? \_\_\_\_\_
  - Is  $1 \text{ m}^2 > 1 \text{ cm}^2$ ? \_\_\_\_\_
  - Colour the prism red and the pyramid blue.



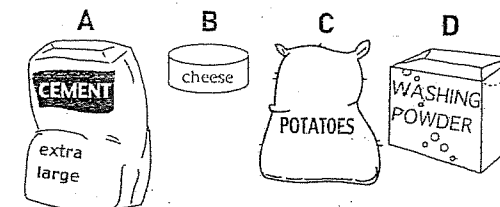
- C**
- $24 + 7$  \_\_\_\_\_
  - $26 + 5$  \_\_\_\_\_
  - $27 - 8$  \_\_\_\_\_
  - $32 - 7$  \_\_\_\_\_
  - $8 \times 2$  \_\_\_\_\_
  - $2 \times 8$  \_\_\_\_\_
  - $16 \div 2$  \_\_\_\_\_
  - $16 \div 8$  \_\_\_\_\_
  - Hundreds in 352 \_\_\_\_\_
  - 8, 12, 16, \_\_\_\_\_, 24
  - 41, 31, 21, 11, \_\_\_\_\_
  - $\frac{1}{2}$  of 16 \_\_\_\_\_
  - \$2 - \$1.25 \_\_\_\_\_
  - Is the unit cube the best measure of volume? \_\_\_\_\_
  - Label the arrowed view.



- D**
- $35 + 8$  \_\_\_\_\_
  - $39 + 6$  \_\_\_\_\_
  - $36 - 7$  \_\_\_\_\_
  - $43 - 8$  \_\_\_\_\_
  - $2 \times 9$  \_\_\_\_\_
  - $9 \times 2$  \_\_\_\_\_
  - $18 \div 2$  \_\_\_\_\_
  - 18 into 9 equal groups \_\_\_\_\_
  - Circle the smallest: 471, 741, 417
  - 18, 24, \_\_\_\_\_, 36, 42
  - 112, 102, \_\_\_\_\_, 82, 72
  - $\frac{1}{2}$  of 18 \_\_\_\_\_
  - How many cents in six dollars? \_\_\_\_\_
  - Link each object with its mass.



- a 100 g   b 2 kg   c 5 kg   d 10 kg



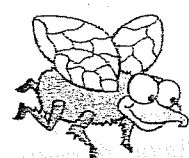
15 How many angles in a triangle? \_\_\_\_\_

      
15

Learning tables is important.  
 $3 \times 7 = 21$

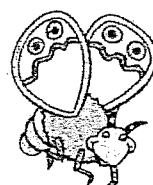


Multiplication and division are linked.  
So  $21 \div 7 = 3$

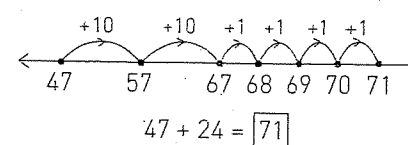


- |   |                   |                      |                     |                     |                             |
|---|-------------------|----------------------|---------------------|---------------------|-----------------------------|
| a | $4 \times 7 = 28$ | $7 \times 4 =$ _____ | $28 \div 7 =$ _____ | $28 \div 4 =$ _____ | $\frac{1}{4}$ of 28 = _____ |
| b | $8 \times 7 = 56$ | $7 \times 8 =$ _____ | $56 \div 7 =$ _____ | $56 \div 8 =$ _____ | $\frac{1}{8}$ of 56 = _____ |
| c | $5 \times 7 = 35$ | $7 \times 5 =$ _____ | $35 \div 7 =$ _____ | $35 \div 5 =$ _____ | $\frac{1}{5}$ of 35 = _____ |
| d | $9 \times 7 = 63$ | $7 \times 9 =$ _____ | $63 \div 7 =$ _____ | $63 \div 9 =$ _____ | $\frac{1}{7}$ of 63 = _____ |

2 It costs \$7 for one movie ticket. How many tickets can I buy with \$49? \_\_\_\_\_



$47 + 24$   
How can I do this?



Start on 47.  
Make 2 long jumps of 10 then 4 short jumps of 1 to add to 24.



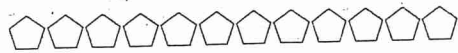
Jump along the number line to find the answer.

- Number line from 36 to 71.  $36 + 35 =$
- Number line from 42 to 81.  $42 + 39 =$
- Number line from 65 to 93.  $65 + 28 =$
- Number line from 57 to 87.  $57 + 36 =$

## A

- $8 + 5$  \_\_\_\_\_
- $18 + 5$  \_\_\_\_\_
- $10 - 9$  \_\_\_\_\_
- $20 - 9$  \_\_\_\_\_
- $3 \times 2$  \_\_\_\_\_
- $3 \times 4$  \_\_\_\_\_
- $6 \div 3$  \_\_\_\_\_
- $12 \div 4$  \_\_\_\_\_
- 6 tens + 4 ones \_\_\_\_\_
- 20, 40, 60, \_\_\_\_\_, 100
- 200, 400, \_\_\_\_\_, 800, 1 000

12 Colour  $\frac{1}{4}$ :



13 Is  $\frac{1}{2} = 0.5$ ? \_\_\_\_\_



14 Can containers with a capacity of 1 litre have different shapes? \_\_\_\_\_

15 Do parallel lines intersect? \_\_\_\_\_



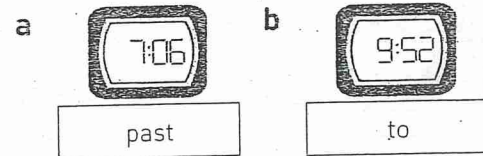
## B

- $30 + 20$  \_\_\_\_\_
- $300 + 200$  \_\_\_\_\_
- $30 - 15$  \_\_\_\_\_
- $50 - 15$  \_\_\_\_\_
- $4 \times 4$  \_\_\_\_\_
- $8 \times 4$  \_\_\_\_\_
- $16 \div 4$  \_\_\_\_\_
- $32 \div 4$  \_\_\_\_\_
- Tens in 312 \_\_\_\_\_
- 4, 8, \_\_\_\_\_, 16, 20
- 40, 80, 120, \_\_\_\_\_, 200

12  $\frac{1}{4}$  of 32 \_\_\_\_\_

13 How many  $\frac{1}{8}$  in one whole? \_\_\_\_\_

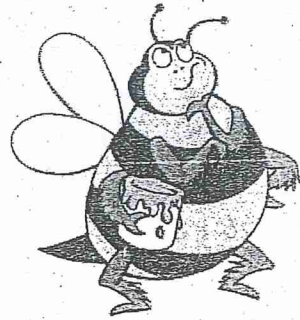
14 Complete the labels:



15 Is a trapezium a quadrilateral? \_\_\_\_\_



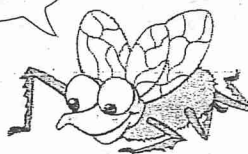
Look for a pattern.



Look for pairs of numbers that add to ten.

$$6 + 7 + 4 = 6 + 4 + 7 = 17$$

That makes it easy!



Add:

- |                        |                         |                         |
|------------------------|-------------------------|-------------------------|
| a $1 + 5 + 9 =$ _____  | b $21 + 7 + 9 =$ _____  | c $19 + 6 + 11 =$ _____ |
| d $16 + 8 + 4 =$ _____ | e $26 + 5 + 14 =$ _____ | f $14 + 7 + 16 =$ _____ |
| g $7 + 2 + 3 =$ _____  | h $17 + 9 + 13 =$ _____ | i $13 + 8 + 27 =$ _____ |
| j $12 + 7 + 8 =$ _____ | k $32 + 4 + 18 =$ _____ | l $28 + 9 + 12 =$ _____ |

## C

- $50 + 40$  \_\_\_\_\_
- $500 + 400$  \_\_\_\_\_
- $14 - 8$  \_\_\_\_\_
- $24 - 18$  \_\_\_\_\_
- $5 \times \square = 40$
- $10 \times 4$  \_\_\_\_\_
- $40 \div 8$  \_\_\_\_\_
- 40 shared by 10 \_\_\_\_\_
- 306 in words \_\_\_\_\_

10 6, 12, 18, \_\_\_\_\_, 30

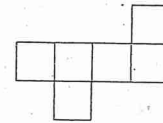
11 60, 120, 180, \_\_\_\_\_, 300

12 One tenth of 40 \_\_\_\_\_

13 Is  $\frac{1}{2} = \frac{5}{10}$ ? \_\_\_\_\_

14 How many cm in 50 mm? \_\_\_\_\_

15 Would this net fold to make a cube? \_\_\_\_\_



## D

- $20 + 80$  \_\_\_\_\_
- $200 + 800$  \_\_\_\_\_
- $19 - 7$  \_\_\_\_\_
- $29 - 7$  \_\_\_\_\_
- $7 \times \square = 28$
- $7 \times 8$  \_\_\_\_\_
- 28 into groups of 4 \_\_\_\_\_
- $56 \div 8$  \_\_\_\_\_
- Circle the largest: 639, 963, 936
- 65, 70, 75, \_\_\_\_\_, 85
- 650, 700, \_\_\_\_\_, 800, 850

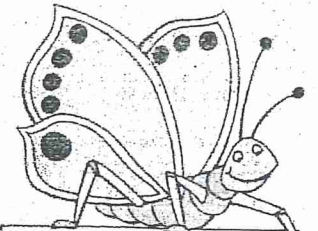
12  $\frac{1}{4}$  of 28 \_\_\_\_\_

13 Is  $\frac{1}{2}$  less than  $\frac{1}{4}$ ? \_\_\_\_\_

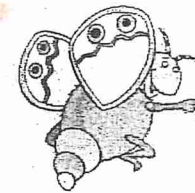
14 Choose  $\text{cm}^2$  or  $\text{m}^2$  to measure:

- the cover of this book \_\_\_\_\_
- your classroom floor \_\_\_\_\_
- your footprint \_\_\_\_\_

15 How many sides on a pentagon? \_\_\_\_\_



$6 \times \square = 12$   
Think! We have 6 groups. How many in each group to make 12?  
 $6 \times 2 = 12$

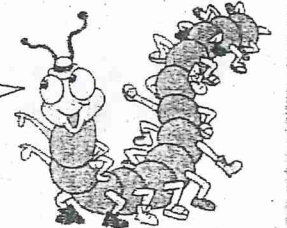


Each little line shows one minute.



The time is 21 past 7 or 7:21.

The hour hand has passed 7. The minute hand has gone 21 minutes from 12.



Complete the labels for each time shown.

a



4:

past 4

b



12:

past 12

c



7:

past 7

d



4:

past 4

e

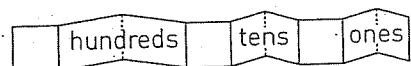


5:

past 5

## A

- $6 + 5 + 4$  \_\_\_\_\_
- $3 + 6 + 7$  \_\_\_\_\_
- $16 - 8$  \_\_\_\_\_
- $20 - 18$  \_\_\_\_\_
- $3 \times 4$  \_\_\_\_\_
- $3 \times 8$  \_\_\_\_\_
- 12 shared equally by 4 \_\_\_\_\_
- $24 \div 3$  \_\_\_\_\_
- Show 247:



- 8, 16, 24, \_\_\_\_\_, 40
- Is  $4 \times 3 = 6 \times 2$ ? \_\_\_\_\_
- $\frac{1}{8}$  of 24 \_\_\_\_\_
- Is  $\frac{25}{100} = 0.25$ ? \_\_\_\_\_
- Choose kilograms or grams to measure the mass of a:
  - banana \_\_\_\_\_
  - watermelon \_\_\_\_\_
  - slice of cheese \_\_\_\_\_
- Trace the parallel lines in green.

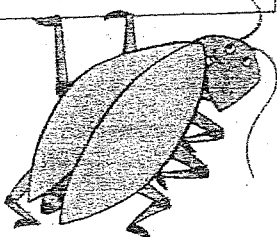
F



## B

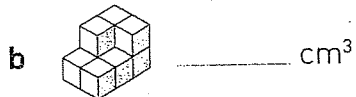
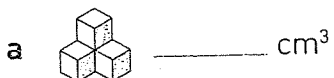
- $16 + 3 + 4$  \_\_\_\_\_
- $17 + 5 + 3$  \_\_\_\_\_
- $32 - 18$  \_\_\_\_\_
- $34 - 27$  \_\_\_\_\_
- $8 \times 2$  \_\_\_\_\_
- $4 \times \square = 16$
- $16 \div 2$  \_\_\_\_\_
- 16 into 4 equal groups \_\_\_\_\_

17 - 9  
Start at 9 and count forward to 17. You counted forward 8, so  $17 - 9 = 8$

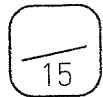


- Show 563: 

|          |      |      |
|----------|------|------|
| hundreds | tens | ones |
|----------|------|------|
- 15, 18, \_\_\_\_\_, 24, 27
- $8 + 7 = 10 + \square$
- How many quarters in 1? \_\_\_\_\_
- Is  $0.7 = \frac{7}{100}$ ? \_\_\_\_\_
- Volume in each model (each cube has 1 cm sides):

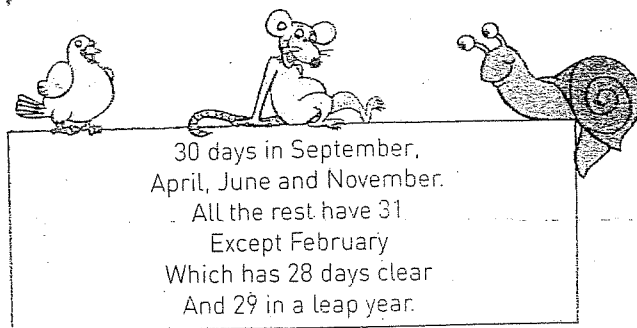


- Are parallel lines always straight? \_\_\_\_\_



These questions refer to the calendar shown.

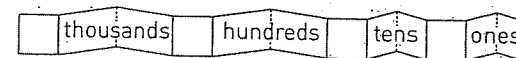
- Is this a leap year? \_\_\_\_\_
  - How do you know? \_\_\_\_\_
- What is the date of the:
  - first Monday? \_\_\_\_\_
  - last Friday? \_\_\_\_\_
- On which day of the week is:
  - 16th? \_\_\_\_\_
  - 23rd? \_\_\_\_\_
- What day of the week does:
  - January finish? \_\_\_\_\_
  - March start? \_\_\_\_\_



| FEBRUARY |     |     |     |     |     |     |
|----------|-----|-----|-----|-----|-----|-----|
| Sun      | Mon | Tue | Wed | Thu | Fri | Sat |
|          |     | 1   | 2   | 3   | 4   | 5   |
| 6        | 7   | 8   | 9   | 10  | 11  | 12  |
| 13       | 14  | 15  | 16  | 17  | 18  | 19  |
| 20       | 21  | 22  | 23  | 24  | 25  | 26  |
| 27       | 28  | 29  |     |     |     |     |

## C

- Sum of 12, 4 and 8 \_\_\_\_\_
- $11 + 8 + 9$  \_\_\_\_\_
- $27 - 19$  \_\_\_\_\_
- $35 - 28$  \_\_\_\_\_
- $2 \times 6$  \_\_\_\_\_
- $6 \times \square = 24$
- $12 \div 6$  \_\_\_\_\_
- 24 into equal groups of 4 \_\_\_\_\_
- Show 1061:



- 32, 40, 48, \_\_\_\_\_, 64
- $9 + \square = 10 + 2$
- $\frac{1}{4}$  of 24 \_\_\_\_\_
- Which is greater, 0.3 or 0.29? \_\_\_\_\_
- 

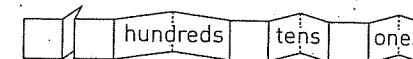


How many 250 mL cups will fill the:

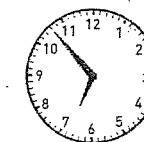
- 1 litre bucket? \_\_\_\_\_
  - 5 litre bucket? \_\_\_\_\_
- Are parallel lines always the same distance apart? \_\_\_\_\_

## D

- $25 + 7 + 15$  \_\_\_\_\_
- $21 + 30 + 9$  \_\_\_\_\_
- $42 - 35$  \_\_\_\_\_
- $46 - 37$  \_\_\_\_\_
- $9 \times 2$  \_\_\_\_\_
- $4 \times 9$  \_\_\_\_\_
- Divide 18 pens into 9 equal rows \_\_\_\_\_
- $36 \div 4$  \_\_\_\_\_
- Show 3426:

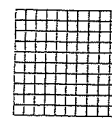
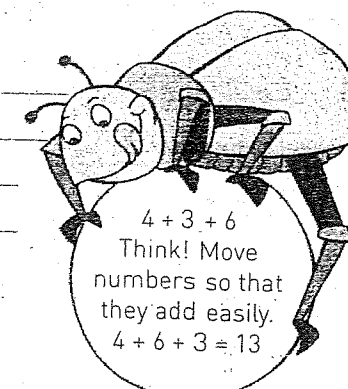
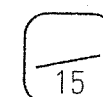


- 42, 48, \_\_\_\_\_, 60, 66
- $15 + 5 = 18 + \square$
- $\frac{1}{2}$  of 18 \_\_\_\_\_
- Which is smaller, 0.6 or 0.16? \_\_\_\_\_
- Complete the labels:

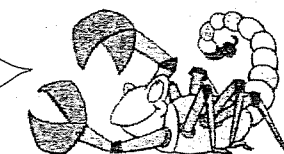


a 6:  
b to 6

- Rule a line parallel to the one already drawn.





This is called a hundred square. It has 100 small squares altogether. 100 hundredths is one whole.



Complete the labels for the part coloured in each hundred square.

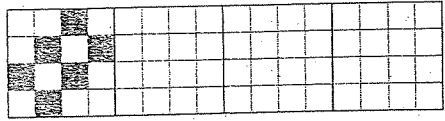
- = \_\_\_\_\_ hundredths  
=  $\frac{\quad}{100}$   
= 0. \_\_\_\_\_
- = \_\_\_\_\_ hundredths  
=  $\frac{\quad}{100}$   
= 0. \_\_\_\_\_
- = \_\_\_\_\_ hundredths  
=  $\frac{\quad}{100}$   
= 0. \_\_\_\_\_
- = \_\_\_\_\_ hundredths  
=  $\frac{\quad}{100}$   
= 0. \_\_\_\_\_


## A

- 1  $8 + 4$  \_\_\_\_\_
- 2  $18 + 4$  \_\_\_\_\_
- 3  $10 - 7$  \_\_\_\_\_
- 4  $20 - 17$  \_\_\_\_\_
- 5  $7 \times 2$  \_\_\_\_\_
- 6  $7 \times 4$  \_\_\_\_\_
- 7 Sevens in 14 \_\_\_\_\_
- 8  $28 \div 4$  \_\_\_\_\_
- 9 Is 75 less than 57? \_\_\_\_\_
- 10 26, 28, \_\_\_\_\_, 32, 34
- 11 Is  $6 + 4 = 3 + 7$ ? \_\_\_\_\_
- 12  $\frac{1}{2}$  of 14 \_\_\_\_\_
- 13 Fraction for 0.27 \_\_\_\_\_
- 14 Is  $100 \text{ cm} = 1 \text{ m}$ ? \_\_\_\_\_
- 15 Name the shape of each cross-section:
  - a  \_\_\_\_\_
  - b  \_\_\_\_\_

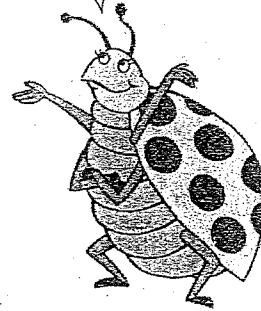
## B

- 1  $22 + 5$  \_\_\_\_\_
- 2  $22 + 15$  \_\_\_\_\_
- 3  $20 - 15$  \_\_\_\_\_
- 4  $40 - 15$  \_\_\_\_\_
- 5  $4 \times 5$  \_\_\_\_\_
- 6  $5 \times 8$  \_\_\_\_\_
- 7  $40 \div 5$  \_\_\_\_\_
- 8 How many 4s in 20? \_\_\_\_\_
- 9 Is 63 closer to 60 or 70? \_\_\_\_\_
- 10 20, 24, 28, \_\_\_\_\_, 36
- 11 Is  $7 + 5 = 9 + 2$ ? \_\_\_\_\_
- 12 One fifth of 40 \_\_\_\_\_
- 13 Decimal for  $\frac{35}{100}$  \_\_\_\_\_
- 14 Our classroom is  $48 \text{ m}^2$  and our bagroom is  $12 \text{ m}^2$ . What is the total area? \_\_\_\_\_
- 15 Continue the pattern by sliding the tile.
 



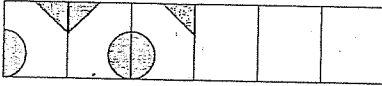



2 + 3  
12 + 3  
Think! Look for a pattern.



## C


- 1  $24 + 7$  \_\_\_\_\_
- 2  $34 + 17$  \_\_\_\_\_
- 3  $30 - 9$  \_\_\_\_\_
- 4  $40 - 9$  \_\_\_\_\_
- 5  $10 \times \square = 20$
- 6  $10 \times 4$  \_\_\_\_\_
- 7 Share 20 equally between 10 \_\_\_\_\_
- 8  $40 \div 10$  \_\_\_\_\_
- 9 Is 357 closer to 300 or 400? \_\_\_\_\_
- 10 16, 24, \_\_\_\_\_, 40, 48
- 11  $22 + 8 = 20 + \square$
- 12  $\frac{1}{10}$  of 20 = 2 so  $\frac{3}{10}$  of 20 =  $\square$
- 13 Decimal for  $\frac{1}{2}$  \_\_\_\_\_
- 14 Sam is 8 kg more than Joe who has a mass of 34 kg. What is Sam's mass? \_\_\_\_\_
- 15 Complete the pattern:
 

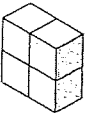


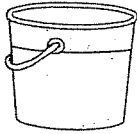


## D

- 1  $33 + 19$  \_\_\_\_\_
- 2  $33 + 29$  \_\_\_\_\_
- 3  $14 - 7$  \_\_\_\_\_
- 4  $24 - 7$  \_\_\_\_\_
- 5  $4 \times \square = 36$
- 6  $9 \times 8$  \_\_\_\_\_
- 7 36 into 4 equal groups \_\_\_\_\_
- 8  $36 \div 9$  \_\_\_\_\_
- 9 Number 100 after 1 468 \_\_\_\_\_
- 10 129, 139, 149, \_\_\_\_\_, 169
- 11  $34 + \square = 40 + 2$
- 12  $\frac{1}{4}$  of 36 \_\_\_\_\_
- 13 Which is smaller, 0.4 or  $\frac{3}{10}$ ? \_\_\_\_\_
- 14
 

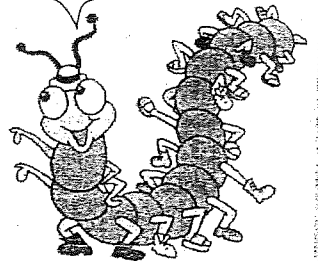
A 

B 



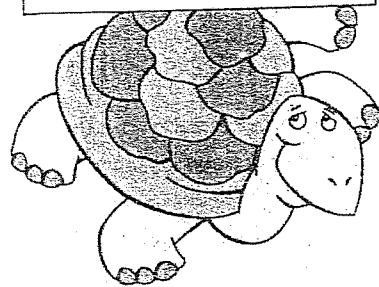
Which model, when placed in the bucket, would raise the water level higher? \_\_\_\_\_
- 15 Do perpendicular lines meet at right angles? \_\_\_\_\_

The lines on the letter T are perpendicular.



$$36 + 47 = 30 + 40 + 6 + 7 = 70 + 13 = 83$$

Split the tens and ones first.  
Think!  
Add the tens  $30 + 40 = 70$   
Add the ones  $6 + 7 = 13$   
Total  $70 + 13 = 83$



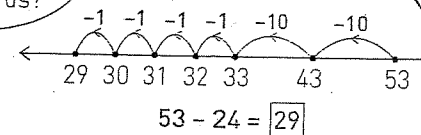
Split the tens and ones.

Add the tens, add the ones, then find their total.

- a  $37 + 39 = 30 + 30 + 7 + 9 =$  \_\_\_\_\_
- b  $25 + 38 =$  \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_
- c  $35 + 47 =$  \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_
- d  $43 + 39 =$  \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_
- e  $54 + 38 =$  \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_
- f  $46 + 37 =$  \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ + \_\_\_\_\_ = \_\_\_\_\_



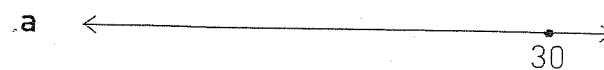
53 - 24  
Can I jump backwards?



Yes!  
Start on 53, jump back 2 long jumps of 10 then back 4 short jumps of 1 to subtract 24.



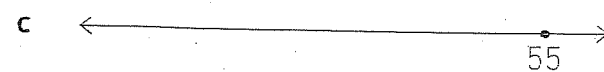
Jump along the number line to find the answer.



$30 - 19 = \square$



$43 - 26 = \square$









$55 - 37 = \square$

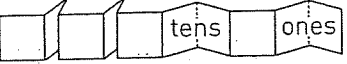



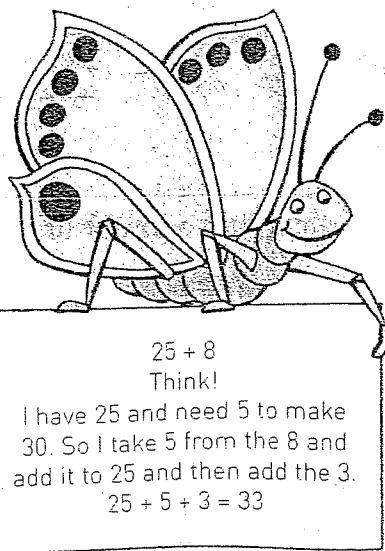
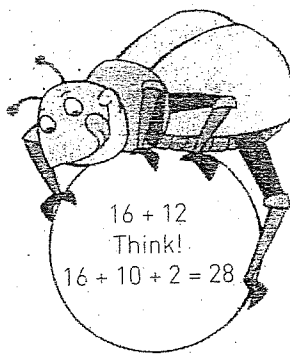
$64 - 39 = \square$

## A




- $11 + 13$  \_\_\_\_\_
- $12 + 16$  \_\_\_\_\_
- $16 - 5$  \_\_\_\_\_
- $19 - 11$  \_\_\_\_\_
- $6 \times 2$  \_\_\_\_\_
- $3 \times \square = 12$
- $12 \div 2$  \_\_\_\_\_
- $12 \div 3$  \_\_\_\_\_
- $100 + 40 + 7$  \_\_\_\_\_
- To find  $10 \div 5$  we say  $\square \times 5 = 10$
- Is  $9 \times 2 = 4 \times 5$ ? \_\_\_\_\_
- Colour  $\frac{1}{2}$ :  $\triangle \triangle \triangle \triangle \triangle \triangle \triangle \triangle \triangle \triangle$
- Cost of 15 pens at 10 cents each \_\_\_\_\_
- If 7  fill a   
and 5  fill a   
then \_\_\_\_\_  fill a 
- Is a square a regular shape? 15

## B

- $21 + 14$  \_\_\_\_\_
- $23 + 15$  \_\_\_\_\_
- $24 - 12$  \_\_\_\_\_
- $27 - 15$  \_\_\_\_\_
- $10 \times \square = 40$
- $10 \times 8$  \_\_\_\_\_
- 40 into 10 equal groups \_\_\_\_\_
- $80 \div 8$  \_\_\_\_\_
- Show 4 368:  tens ones
- To find  $12 \div 4$  we say  $\square \times 4 = 12$
- Is  $5 \times 8 = 10 \times 4$ ? \_\_\_\_\_
- $\frac{1}{10}$  of 40 = 4 so  $\frac{3}{10}$  of 40 =  $\square$
- Ten 50c coins. How much? \_\_\_\_\_
- Complete the clockface and label:  
a  4:25  
b past 4
- Is a square a rectangle? 15

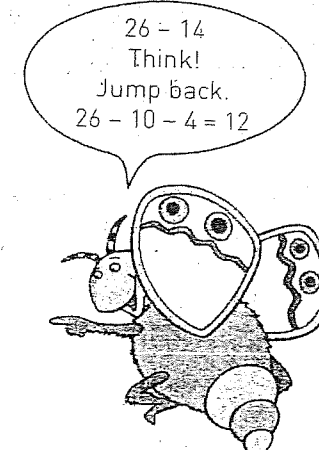


## C

- $26 + 13$  \_\_\_\_\_
- $22 + 17$  \_\_\_\_\_
- $32 - 15$  \_\_\_\_\_
- $43 - 17$  \_\_\_\_\_
- $9 \times \square = 18$
- $4 \times 9$  \_\_\_\_\_
- $36 \div \square = 9$
- 18 shared into 9 equal groups \_\_\_\_\_
- 200 after 694 \_\_\_\_\_
- To find  $18 \div 2$  we say  $\square \times 2 = 18$
- Is  $4 \times 10 = 6 \times 6$ ? \_\_\_\_\_
- Quarters in 3 \_\_\_\_\_
- How many cents in \$9? \_\_\_\_\_
- Is 10 millimetres = 1 centimetre? \_\_\_\_\_
- Use the corner of a page to test for right angles. Label.  
a  \_\_\_\_\_  
b  \_\_\_\_\_  
c  \_\_\_\_\_

## D

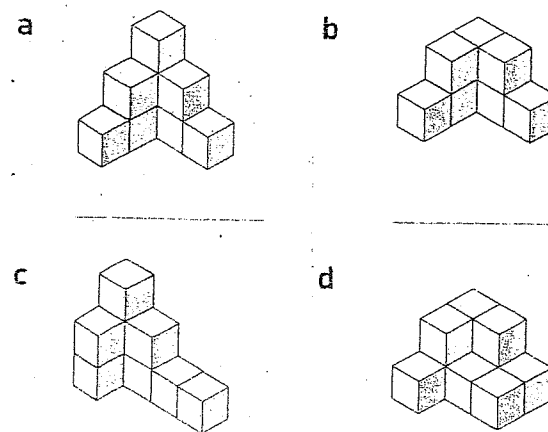
- $35 + 14$  \_\_\_\_\_
- $32 + 26$  \_\_\_\_\_
- $37 - 23$  \_\_\_\_\_
- $46 - 25$  \_\_\_\_\_
- $\square \times 4 = 24$
- $6 \times \square = 48$
- 48 shared equally among 6 \_\_\_\_\_
- $24 \div \square = 6$
- $1\ 000 + 300 + 70 + 4$  \_\_\_\_\_
- To find  $30 \div 5$  we say  $\square \times 5 = 30$
- Is  $48 \div 6 = 8 \times 1$ ? \_\_\_\_\_
- $\frac{1}{4}$  of 24 = 6 so  $\frac{3}{4}$  of 24 =  $\square$
- Cost of 20 bags at 20c each \_\_\_\_\_
- Our lunchroom floor is  $50\text{ m}^2$ .  
The tables cover  $14\text{ m}^2$ .  
What area is free? \_\_\_\_\_
- A square has \_\_\_\_\_ axes  
of symmetry and \_\_\_\_\_  
right angles. 15



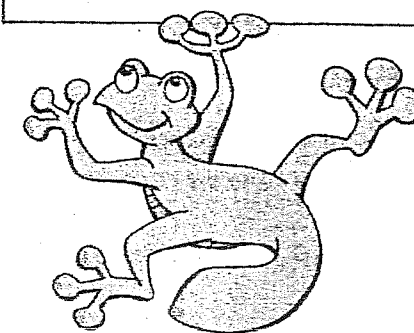
Add by bridging to a ten.

- $9 + 6 = 9 + \underline{\quad} + \underline{\quad} = \underline{\quad}$
- $15 + 9 = 15 + \underline{\quad} + \underline{\quad} = \underline{\quad}$
- $23 + 15 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$
- $26 + 17 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$
- $37 + 18 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$
- $42 + 19 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$
- $46 + 15 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$
- $34 + 18 = \underline{\quad} + \underline{\quad} + \underline{\quad} = \underline{\quad}$

Find the volume of these models.  
Each cube has 1 cm sides.  
Count the cubes, including those that are hidden.



Volume is the amount of space occupied by an object.  
We can measure volume in cubic centimetres (cm<sup>3</sup>).



## A

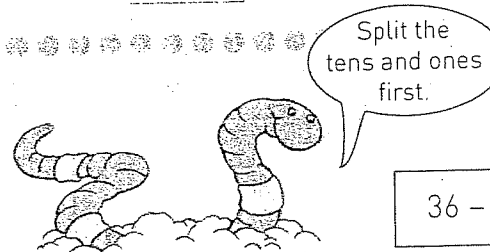
- $12 + 14$  \_\_\_\_\_
- $23 + 7$  \_\_\_\_\_
- $18 - 9$  \_\_\_\_\_
- $20 - 11$  \_\_\_\_\_
- $4 \times 5$  \_\_\_\_\_
- $4 \times \square = 40$
- $20 \div 5$  \_\_\_\_\_
- $40 \div 4$  \_\_\_\_\_
- $300 + 6$  \_\_\_\_\_
- To find  $60 \div 6$  we say  $\square \times 6 = 60$
- $3 \times 4 = 12$  so  $12 \div 3 = \square$
- $\frac{1}{4}$  of 20 \_\_\_\_\_
- Fraction for 0.1 \_\_\_\_\_
- My empty wheelbarrow has a mass of 12 kg. How heavy is the load if the full wheelbarrow has a mass of 22 kg?

15 a Name this shape.



b How many angles?

$\frac{\quad}{15}$



Split the tens and ones first.

$$36 - 14 = 30 - 10 + 6 - 4 = 20 + 2 = 22$$

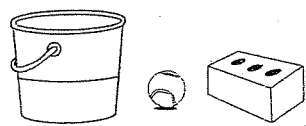
Split the tens and ones.

Subtract the tens, subtract the ones, then find their total.

- |   |   |   |                                     |
|---|---|---|-------------------------------------|
| a | $37 - 15 = 30 - 10 + 7 - 5 =$ _____                       | b | $29 - 18 = 20 - 10 + 9 - 8 =$ _____ |
| c | $25 - 14 = 20 - 10 + 5 - 4 =$ _____                       | d | $36 - 23 = 30 - 20 + 6 - 3 =$ _____ |
| e | $38 - 26 = 30 - 20 + 8 - 6 =$ _____                       | f | $49 - 27 = 40 - 20 + 9 - 7 =$ _____ |
| g | $46 - 31 =$ _____ $-$ _____ $+$ _____ $-$ _____ $=$ _____ |   |                                     |
| h | $47 - 33 =$ _____ $-$ _____ $+$ _____ $-$ _____ $=$ _____ |   |                                     |

## B

- $22 + 19$  \_\_\_\_\_
- $32 + 29$  \_\_\_\_\_
- $22 - 17$  \_\_\_\_\_
- $32 - 17$  \_\_\_\_\_
- $7 \times 4$  \_\_\_\_\_
- $7 \times 8$  \_\_\_\_\_
- 28 into 4 equal groups \_\_\_\_\_
- $56 \div 8$  \_\_\_\_\_
- $2\,000 + 900 + 70 + 5$  \_\_\_\_\_
- To find  $32 \div 8$  we say  $\square \times 8 = 32$
- $4 \times 5 = 20$  so  $20 \div 4 = \square$
- $\frac{1}{4}$  of 28 \_\_\_\_\_
- Decimal for  $\frac{60}{100}$  \_\_\_\_\_
- I put a ball and later a brick into a bucket of water. Colour the one that displaced the most water.



15 Number of angles in a triangle.

$\frac{\quad}{15}$

$47 - 23$   
gives  $40 - 20 = 20$   
and  $7 - 3 = 4$   
then  $20 + 4 = 24$   
so  $47 - 23 = 24$



$6 \times 4$   
is double  
 $3 \times 4$



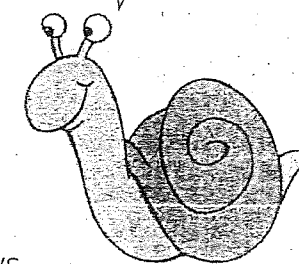
## C

- $25 + 27$  \_\_\_\_\_
- $35 + 37$  \_\_\_\_\_
- $22 - 15$  \_\_\_\_\_
- $28 - 19$  \_\_\_\_\_
- $6 \times \square = 24$
- $6 \times 8$  \_\_\_\_\_
- $24 \div \square = 4$
- $48 \div 8$  \_\_\_\_\_
- Is 573 less than 537? \_\_\_\_\_
- To find  $56 \div 8$  we say  $\square \times 8 = 56$
- $6 \times 4 = 24$  so  $24 \div 6 = \square$
- $\frac{1}{8}$  of 48 \_\_\_\_\_
- Which is larger, 0.6 or 0.16? \_\_\_\_\_
- If 8 fill a and 5 fill a then \_\_\_\_\_ fill a
- Does an angle get bigger if you make its arms longer? \_\_\_\_\_

## D

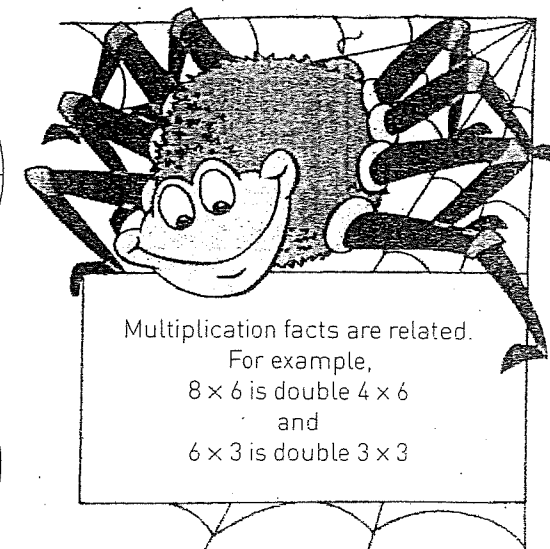
- 26 plus 35 \_\_\_\_\_
- $35 + 18$  \_\_\_\_\_
- $36 - 19$  \_\_\_\_\_
- $41 - 26$  \_\_\_\_\_
- $4 \times \square = 16$
- $\square \times 4 = 32$
- 32 into 8 equal rows \_\_\_\_\_
- $16 \div 4$  \_\_\_\_\_
- $2\,000 + 600 + 7$  \_\_\_\_\_
- To find  $72 \div 8$  we say  $\square \times 8 = 72$
- $5 \times 8 = 40$  so  $40 \div 8 = \square$
- $\frac{1}{4}$  of 32 \_\_\_\_\_
- Decimal for  $\frac{3}{4}$  \_\_\_\_\_
- Complete the clockface and label:  
a  $\frac{\quad}{7:50}$   
b \_\_\_\_\_ to \_\_\_\_\_
- Name the angle we find at the corner of a page. \_\_\_\_\_

$4 \times 6$  is  
double 6 and  
double again.

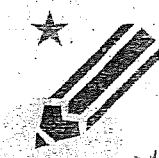


Complete the multiplication wheels.

|   |  |   |  |
|---|--|---|--|
| a |  | b |  |
| c |  | d |  |



Multiplication facts are related.  
For example,  
 $8 \times 6$  is double  $4 \times 6$   
and  
 $6 \times 3$  is double  $3 \times 3$



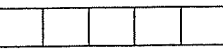
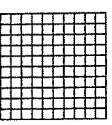
# Unit 8

## Revision A

- a  $8 + 2$  \_\_\_\_\_
- b  $13 + 5$  \_\_\_\_\_
- c  $24 + 7$  \_\_\_\_\_
- d  $36 + 15$  \_\_\_\_\_
  
- a  $9 - 4$  \_\_\_\_\_
- b  $18 - 7$  \_\_\_\_\_
- c  $30 - 14$  \_\_\_\_\_
- d  $70 - 36$  \_\_\_\_\_
  
- a 9 groups of 2 \_\_\_\_\_
- b  $7 \times 4$  \_\_\_\_\_
- c  $6 \times 7$  \_\_\_\_\_
- d  $8 \times 8$  \_\_\_\_\_
  
- a 18 shared equally by 2 \_\_\_\_\_
- b  $14 \div 7$  \_\_\_\_\_
- c  $25 \div 5$  \_\_\_\_\_
- d  $24 \div 8$  \_\_\_\_\_
  
- a  $1\ 000 + 300 + 20$  \_\_\_\_\_
- b Place value of 7 in 1 709 \_\_\_\_\_
- c Tens in 1 564 \_\_\_\_\_
- d Is 42 smaller than 24? \_\_\_\_\_
  
- a Tally marks for 12 \_\_\_\_\_
- b How many digits in 600? \_\_\_\_\_

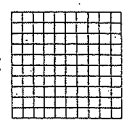
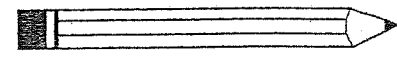
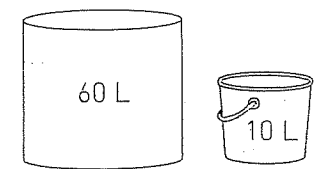
Write the next number:

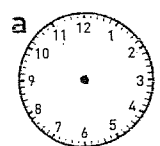
- a 20, 24, 28, \_\_\_\_\_
- b 36, 30, 24, \_\_\_\_\_
- c 80, 72, 64, \_\_\_\_\_
- d 35, 42, 49, \_\_\_\_\_
- e 72, 63, 54, \_\_\_\_\_

- 8 a  $5 \times 8 = \square \times 10$
- b  $9 + 4 = 13$  so  $13 - 4 = \square$
- c  $8 \times 7 = 56$  so  $56 \div 7 = \square$
- d  $9 \times 4 = 36$  so  $36 \div \square = 9$
  
- 9 a  $\frac{1}{2}$  of 16 \_\_\_\_\_
- b  $\frac{1}{4}$  of 24 \_\_\_\_\_
- c Colour  $\frac{4}{5}$ : 
- d  $\frac{1}{4}$  of 36 = 9 so  $\frac{3}{4}$  of 36 =  $\square$
  
- 10 a  $\$1.50 + \$1.25$  \_\_\_\_\_
- b  $\$2.00 - \$1.50$  \_\_\_\_\_
- c Colour  $\frac{3}{10}$ : 
- d Is  $\frac{3}{10}$  larger than  $\frac{29}{100}$ ? \_\_\_\_\_
  
- 11 How many:
  - a millimetres in 2 cm? \_\_\_\_\_
  - b minutes in 4 hours? \_\_\_\_\_
  - c grams in 3 kg? \_\_\_\_\_
  - d litres in 4 000 millilitres? \_\_\_\_\_
  
- 12 How many sides has a:
  - a triangle \_\_\_\_\_
  - b square \_\_\_\_\_
  - c hexagon \_\_\_\_\_

## Revision B

- 1 a  $16 + 3 + 14$  \_\_\_\_\_
- b  $25 + 17$  \_\_\_\_\_
- 2 a  $36 - 7$  \_\_\_\_\_
- b  $54 - 47$  \_\_\_\_\_
- 3 a 8 rows of 7 \_\_\_\_\_
- b 4 multiplied by 9 \_\_\_\_\_
- 4 a  $70 \div 7$  \_\_\_\_\_
- b Threes in 30 \_\_\_\_\_
- c 54 divided by 6 \_\_\_\_\_
- d 42 into 6 equal rows \_\_\_\_\_
- 5 a Is  $265 < 256$ ? \_\_\_\_\_
- b Is 847 closer to 800 or 900? \_\_\_\_\_
- c Smallest 4-digit numeral from 0, 2, 8, 7 \_\_\_\_\_
- d 2 467 in words \_\_\_\_\_
  
- 6 a 40, 48, 56, \_\_\_\_\_
- b 70, 63, 56, \_\_\_\_\_
- c 36, 40, 44, \_\_\_\_\_
- d 27, 36, 45, \_\_\_\_\_
  
- 7 a  $8 + 8 + 8 = \square \times 8$
- b  $6 + 6 + 6 + \square = 4 \times 6$
- c Is  $8 \times 4 = 4 \times 8$ ? \_\_\_\_\_
- d Is  $5 \times 4 = 5 \times 3 + 5$ ? \_\_\_\_\_
  
- 8 a  $\frac{1}{5}$  of 25 \_\_\_\_\_
- b  $\frac{1}{8}$  of 40 = 5 so  $\frac{7}{8}$  of 40 =  $\square$
- c  $\frac{7}{10}$  of 60 \_\_\_\_\_

- 9 a Is  $0.6 < 0.06$ ? \_\_\_\_\_
- b Which is greater, 0.03 or 0.3? \_\_\_\_\_
  
- 10 a  $\frac{3}{100}$  as a decimal \_\_\_\_\_
- b Does  $0.7 = \frac{7}{10}$ ? \_\_\_\_\_
- c Colour 0.6: 
  
- 11 Measure in centimetres: 
  
- 12 Joe is half the mass of Sam, who is 46 kg. What is Joe's mass? \_\_\_\_\_
  
- 13 My garden bed has an area of 18 m<sup>2</sup>. I planted 10 m<sup>2</sup> with peas. What area is left? \_\_\_\_\_
  
- 14 How many buckets will it take to empty the tank? 

- 15 Complete the clockface and label.
  - a  25 to 2
  - b
  
- 16 How many:
  - a sides on a trapezium? \_\_\_\_\_
  - b angles in a pentagon? \_\_\_\_\_
  - c right angles in a square? \_\_\_\_\_
  - d faces on a cube? \_\_\_\_\_

